

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071519\
 Data File : VD063079.D
 Acq On : 15 Jul 2019 12:50
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 7/16/2019 9:15:06 AM

Quant Time: Jul 16 07:45:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:23:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	782355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1061280	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	867325	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	474223	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	739279	84.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	169.12%	
35) Dibromofluoromethane	6.92	113	778262	84.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	169.06%	
50) Toluene-d8	10.40	98	1694053	85.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	171.96%	
62) 4-Bromofluorobenzene	13.55	95	735067	81.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	162.74%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	617118	62.639	ug/l	98
3) Chloromethane	1.75	50	491279	65.250	ug/l	90
4) Vinyl Chloride	1.84	62	543414	72.918	ug/l	98
5) Bromomethane	2.14	94	222740	65.562	ug/l	97
6) Chloroethane	2.25	64	279772	82.273	ug/l	99
7) Trichlorofluoromethane	2.52	101	1100091	71.635	ug/l	99
8) Diethyl Ether	2.86	74	183916	94.867	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.13	101	651411	78.935	ug/l	97
10) Methyl Iodide	3.28	142	879045	80.878	ug/l	99
11) Tert butyl alcohol	4.07	59	213610	511.202	ug/l #	93
12) 1,1-Dichloroethene	3.12	96	477985	77.615	ug/l	90
13) Acrolein	3.03	56	35891	102.554	ug/l	92
14) Allyl chloride	3.60	41	782806	84.344	ug/l	97
15) Acrylonitrile	4.19	53	502944	530.441	ug/l	96
16) Acetone	3.22	43	1000189	493.309	ug/l	99
17) Carbon Disulfide	3.36	76	1286431	66.698	ug/l	98
18) Methyl Acetate	3.63	43	240851	91.036	ug/l	97
19) Methyl tert-butyl Ether	4.23	73	1284639	93.251	ug/l	99
20) Methylene Chloride	3.80	84	555804	82.517	ug/l	96
21) trans-1,2-Dichloroethene	4.20	96	536204	81.387	ug/l	98
22) Diisopropyl ether	5.11	45	1715844	89.094	ug/l	95
23) Vinyl Acetate	5.05	43	5551311	462.700	ug/l	98
24) 1,1-Dichloroethane	4.97	63	1049029	84.860	ug/l	99
25) 2-Butanone	6.06	43	942138	559.008	ug/l	96
26) 2,2-Dichloropropane	6.01	77	1113365	84.634	ug/l	99
27) cis-1,2-Dichloroethene	6.02	96	617057	86.272	ug/l	90
28) Bromochloromethane	6.43	49	359396	81.360	ug/l	96
29) Tetrahydrofuran	6.45	42	395646	499.324	ug/l	99
30) Chloroform	6.65	83	1252833	83.484	ug/l	99
31) Cyclohexane	6.95	56	621645	77.782	ug/l	97
32) 1,1,1-Trichloroethane	6.86	97	1194055	77.311	ug/l	98
36) 1,1-Dichloropropene	7.13	75	827580	82.278	ug/l	96
37) Ethyl Acetate	6.18	43	399996	84.806	ug/l #	97
38) Carbon Tetrachloride	7.10	117	1305034m	85.759	ug/l	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071519\
 Data File : VD063079.D
 Acq On : 15 Jul 2019 12:50
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 7/16/2019 9:15:06 AM

Quant Time: Jul 16 07:45:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:23:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	695992	79.363	ug/l	94
40) Benzene	7.45	78	1737920	84.623	ug/l	97
41) Methacrylonitrile	6.44	41	511312	93.733	ug/l #	88
42) 1,2-Dichloroethane	7.57	62	971981	87.807	ug/l	99
43) Isopropyl Acetate	9.23	43	549683	100.039	ug/l #	99
44) Trichloroethene	8.53	130	667953	84.167	ug/l	99
45) 1,2-Dichloropropane	8.94	63	441498	86.648	ug/l	94
46) Dibromomethane	9.05	93	381774	86.574	ug/l	95
47) Bromodichloromethane	9.37	83	998798	88.266	ug/l	96
48) Methyl methacrylate	9.11	41	336016	86.674	ug/l	89
49) 1,4-Dioxane	9.07	88	60919	1851.730	ug/l #	78
51) 4-Methyl-2-Pentanone	10.29	43	1956625	501.101	ug/l	100
52) Toluene	10.50	92	1144880	83.663	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	862924	91.225	ug/l	98
54) cis-1,3-Dichloropropene	10.03	75	879930	86.259	ug/l	96
55) 1,1,2-Trichloroethane	11.18	97	425451	88.836	ug/l	96
56) Ethyl methacrylate	11.03	69	500684	97.635	ug/l	95
57) 1,3-Dichloropropane	11.40	76	651001	90.294	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	1335038	487.282	ug/l	99
59) 2-Hexanone	11.52	43	1407078	498.733	ug/l	95
60) Dibromochloromethane	11.68	129	803762	89.965	ug/l	99
61) 1,2-Dibromoethane	11.80	107	538045	95.942	ug/l	99
64) Tetrachloroethene	11.25	164	567485	78.966	ug/l	97
65) Chlorobenzene	12.39	112	1367547	82.950	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	711679	92.551	ug/l	98
67) Ethyl Benzene	12.52	91	2570632	87.258	ug/l	97
68) m/p-Xylenes	12.66	106	1889784	185.350	ug/l	98
69) o-Xylene	13.04	106	825109	87.793	ug/l	99
70) Styrene	13.07	104	1458077	87.534	ug/l	98
71) Bromoform	13.23	173	520099	97.521	ug/l #	98
73) Isopropylbenzene	13.39	105	2551616	82.228	ug/l	97
74) N-amyl acetate	13.26	43	787190	101.375	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.70	83	517341	98.461	ug/l	96
76) 1,2,3-Trichloropropane	13.73	75	549153	95.139	ug/l	99
77) Bromobenzene	13.66	156	720250	85.683	ug/l	80
78) n-propylbenzene	13.77	91	2826508	77.084	ug/l	100
79) 2-Chlorotoluene	13.84	91	1751929	83.933	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	2066376	78.675	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.46	75	140876	93.367	ug/l	96
82) 4-Chlorotoluene	13.95	91	1951593	77.803	ug/l	98
83) tert-Butylbenzene	14.18	119	2462605	83.565	ug/l	88
84) 1,2,4-Trimethylbenzene	14.23	105	2138246	79.987	ug/l	95
85) sec-Butylbenzene	14.36	105	2654745	83.152	ug/l	95
86) p-Isopropyltoluene	14.49	119	2452524	85.168	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	1339278	89.071	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	1238965	82.360	ug/l	99
89) n-Butylbenzene	14.79	91	2257772	82.634	ug/l	99
90) Hexachloroethane	15.00	117	696077	88.965	ug/l	74
91) 1,2-Dichlorobenzene	14.80	146	1155523	88.477	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	99656	98.443	ug/l	85

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071519\
Data File : VD063079.D
Acq On : 15 Jul 2019 12:50
Operator : VA/AP
Sample : VSTDICC075
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC075

Manual Integrations
APPROVED

MMDadoda
7/16/2019 9:15:06 AM

Quant Time: Jul 16 07:45:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 16 07:23:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	902961	88.092	ug/l	94
94) Hexachlorobutadiene	16.03	225	667430	86.105	ug/l	97
95) Naphthalene	16.12	128	1415659	99.735	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	732646	92.153	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

