

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012320\
 Data File : VD064928.D
 Acq On : 23 Jan 2020 10:58
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 1/24/2020 4:01:41 PM

Quant Time: Jan 23 13:37:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 12:45:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	429345	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	650671	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	568067	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	270116	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	23452	6.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.18%	
35) Dibromofluoromethane	7.92	113	22294	5.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.10%	
50) Toluene-d8	10.34	98	81420	5.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.52%	
62) 4-Bromofluorobenzene	12.64	95	24782	5.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.24%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	14979	4.511	ug/l 88
3) Chloromethane	2.21	50	24083	5.169	ug/l 93
4) Vinyl Chloride	2.35	62	27101	4.796	ug/l 96
5) Bromomethane	2.77	94	19999	4.933	ug/l 84
6) Chloroethane	2.93	64	18277	4.875	ug/l 93
7) Trichlorofluoromethane	3.27	101	42223	4.512	ug/l 95
8) Diethyl Ether	3.71	74	9682	5.106	ug/l 81
9) 1,1,2-Trichlorotrifluoroet	4.09	101	20671	5.250	ug/l 97
10) Methyl Iodide	4.30	142	17290	4.102	ug/l 99
11) Tert butyl alcohol	5.23	59	5354m	24.505	ug/l
12) 1,1-Dichloroethene	4.06	96	19186	5.121	ug/l 90
13) Acrolein	3.93	56	7962	26.912	ug/l 95
14) Allyl chloride	4.71	41	28784	4.894	ug/l 99
15) Acrylonitrile	5.43	53	19592	24.769	ug/l 98
16) Acetone	4.16	43	24532	30.985	ug/l 91
17) Carbon Disulfide	4.40	76	61811	5.070	ug/l 97
18) Methyl Acetate	4.72	43	10112	4.839	ug/l 93
19) Methyl tert-butyl Ether	5.49	73	38681	4.635	ug/l 99
20) Methylene Chloride	4.96	84	32557	7.237	ug/l 97
21) trans-1,2-Dichloroethene	5.47	96	21251	4.954	ug/l 94
22) Diisopropyl ether	6.37	45	54027	4.608	ug/l 93
23) Vinyl Acetate	6.31	43	146811	22.009	ug/l 97
24) 1,1-Dichloroethane	6.27	63	35881	5.090	ug/l 94
25) 2-Butanone	7.23	43	26893	25.581	ug/l 90
26) 2,2-Dichloropropane	7.21	77	33025	5.058	ug/l 99
27) cis-1,2-Dichloroethene	7.21	96	22861	4.967	ug/l 98
28) Bromochloromethane	7.55	49	15515	5.574	ug/l 95
29) Tetrahydrofuran	7.57	42	15490	23.872	ug/l 97
30) Chloroform	7.71	83	38128	5.165	ug/l 93
31) Cyclohexane	7.99	56	40336	5.715	ug/l # 85
32) 1,1,1-Trichloroethane	7.90	97	35689	5.150	ug/l 97
36) 1,1-Dichloropropene	8.11	75	29601	4.726	ug/l 98
37) Ethyl Acetate	7.30	43	11620	4.756	ug/l # 89
38) Carbon Tetrachloride	8.10	117	31589	4.744	ug/l 88

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012320\
 Data File : VD064928.D
 Acq On : 23 Jan 2020 10:58
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 1/24/2020 4:01:41 PM

Quant Time: Jan 23 13:37:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 12:45:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.36	83	32051	4.247	ug/l	93
40) Benzene	8.36	78	80069	4.679	ug/l	100
41) Methacrylonitrile	7.53	41	6712	4.688	ug/l #	89
42) 1,2-Dichloroethane	8.43	62	25162	5.068	ug/l	93
43) Isopropyl Acetate	8.46	43	22406	4.602	ug/l	98
44) Trichloroethene	9.12	130	22387	4.499	ug/l	97
45) 1,2-Dichloropropane	9.40	63	20462	5.017	ug/l	98
46) Dibromomethane	9.48	93	11332	5.023	ug/l	91
47) Bromodichloromethane	9.67	83	27015	4.493	ug/l	97
48) Methyl methacrylate	9.46	41	10113	4.439	ug/l	98
49) 1,4-Dioxane	9.48	88	2502	94.681	ug/l #	93
51) 4-Methyl-2-Pentanone	10.23	43	51154	21.109	ug/l	95
52) Toluene	10.41	92	50396	4.507	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	25191	4.468	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	29446	4.442	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	15179	4.961	ug/l	98
56) Ethyl methacrylate	10.67	69	14230	3.733	ug/l	92
57) 1,3-Dichloropropane	10.95	76	23748	4.505	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.95	63	39774	28.163	ug/l	99
59) 2-Hexanone	10.99	43	33667	20.420	ug/l	97
60) Dibromochloromethane	11.14	129	18962	4.512	ug/l	95
61) 1,2-Dibromoethane	11.26	107	13577	4.525	ug/l	99
64) Tetrachloroethene	10.88	164	19394	4.497	ug/l	95
65) Chlorobenzene	11.67	112	57098	4.912	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.75	131	20615	4.682	ug/l	100
67) Ethyl Benzene	11.75	91	89425	4.217	ug/l	95
68) m/p-Xylenes	11.86	106	67721	8.294	ug/l	98
69) o-Xylene	12.18	106	30835	4.189	ug/l	93
70) Styrene	12.20	104	51524	3.965	ug/l	98
71) Bromoform	12.36	173	11279	4.519	ug/l #	96
73) Isopropylbenzene	12.48	105	79760	4.165	ug/l	99
74) N-amyl acetate	12.29	43	17753	4.325	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	15185	5.015	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	10200m	4.590	ug/l	
77) Bromobenzene	12.77	156	21379	4.556	ug/l	97
78) n-propylbenzene	12.83	91	97727	4.360	ug/l	99
79) 2-Chlorotoluene	12.91	91	54033	4.390	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	64402	4.105	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	4688	4.583	ug/l	95
82) 4-Chlorotoluene	13.01	91	59845	4.578	ug/l	98
83) tert-Butylbenzene	13.23	119	54916	4.037	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	63799	4.068	ug/l	97
85) sec-Butylbenzene	13.41	105	82497	4.412	ug/l	98
86) p-Isopropyltoluene	13.53	119	71121	3.983	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	39899	4.460	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	42642	4.858	ug/l	93
89) n-Butylbenzene	13.86	91	68016	4.210	ug/l	99
90) Hexachloroethane	14.12	117	16266	4.769	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	35163	4.609	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2426	4.953	ug/l	94

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD012320\
Data File : VD064928.D
Acq On : 23 Jan 2020 10:58
Operator : VA/SY
Sample : VSTDICC005
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

MMDadoda
1/24/2020 4:01:41 PM

Quant Time: Jan 23 13:37:55 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 23 12:45:15 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	23593	4.247	ug/l	94
94) Hexachlorobutadiene	15.28	225	16431	4.706	ug/l	97
95) Naphthalene	15.42	128	34176	3.877	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.61	180	20822	4.375	ug/l	99

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

