

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072720\
 Data File : VD066062.D
 Acq On : 27 Jul 2020 11:40
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/28/2020 1:44:05 PM

Quant Time: Jul 27 17:52:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	282707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	397934	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	371119	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	205172	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	117622	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
35) Dibromofluoromethane	7.91	113	121203	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
50) Toluene-d8	10.34	98	463773	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
62) 4-Bromofluorobenzene	12.64	95	164137	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	93984	43.806	ug/l	100
3) Chloromethane	2.21	50	81990	46.829	ug/l	95
4) Vinyl Chloride	2.35	62	84116	50.450	ug/l	97
5) Bromomethane	2.77	94	60142	51.434	ug/l	100
6) Chloroethane	2.93	64	51041	51.282	ug/l	96
7) Trichlorofluoromethane	3.27	101	207356	51.130	ug/l	99
8) Diethyl Ether	3.71	74	53460	47.690	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	122440	50.001	ug/l	97
10) Methyl Iodide	4.30	142	142578	56.293	ug/l	97
11) Tert butyl alcohol	5.21	59	35582	245.359	ug/l #	89
12) 1,1-Dichloroethene	4.07	96	116815	49.976	ug/l	88
13) Acrolein	3.91	56	46274	238.759	ug/l	97
14) Allyl chloride	4.71	41	172451	47.197	ug/l	93
15) Acrylonitrile	5.42	53	116700	243.680	ug/l	99
16) Acetone	4.15	43	140671	302.112	ug/l	93
17) Carbon Disulfide	4.41	76	342229	45.137	ug/l	99
18) Methyl Acetate	4.71	43	48829	45.079	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	255303	53.160	ug/l	99
20) Methylene Chloride	4.96	84	146326	57.265	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	132014	49.972	ug/l	96
22) Diisopropyl ether	6.36	45	337284	48.588	ug/l	98
23) Vinyl Acetate	6.30	43	991136	253.171	ug/l #	94
24) 1,1-Dichloroethane	6.26	63	207783	49.401	ug/l	97
25) 2-Butanone	7.21	43	150906	244.245	ug/l	91
26) 2,2-Dichloropropane	7.21	77	203996	53.934	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	139214	49.771	ug/l	99
28) Bromochloromethane	7.54	49	87711	49.133	ug/l	91
29) Tetrahydrofuran	7.56	42	91913	241.106	ug/l	96
30) Chloroform	7.71	83	223565	50.814	ug/l	99
31) Cyclohexane	7.98	56	190329	45.996	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	216329	53.156	ug/l	99
36) 1,1-Dichloropropene	8.11	75	178756	52.635	ug/l	100
37) Ethyl Acetate	7.29	43	66001	50.887	ug/l	99
38) Carbon Tetrachloride	8.10	117	208161	56.489	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	218006	53.007	ug/l	99
40) Benzene	8.35	78	488860	51.452	ug/l	95
41) Methacrylonitrile	7.53	41	37043m	49.856	ug/l	
42) 1,2-Dichloroethane	8.42	62	141823	54.472	ug/l	99
43) Isopropyl Acetate	8.45	43	129933	51.292	ug/l	99
44) Trichloroethene	9.11	130	153433	53.364	ug/l	92
45) 1,2-Dichloropropane	9.39	63	116811	50.762	ug/l	96
46) Dibromomethane	9.47	93	64507	52.073	ug/l	94
47) Bromodichloromethane	9.67	83	172405	52.635	ug/l	99
48) Methyl methacrylate	9.46	41	65033	50.894	ug/l	92
49) 1,4-Dioxane	9.46	88	14766	1028.852	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	334005	261.681	ug/l	99
52) Toluene	10.41	92	337061	54.398	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	167747	54.971	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	197790	53.470	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	93518	53.229	ug/l	96
56) Ethyl methacrylate	10.66	69	115889	56.734	ug/l	96
57) 1,3-Dichloropropane	10.95	76	153617	52.817	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	234431	240.247	ug/l	97
59) 2-Hexanone	10.99	43	241631	273.179	ug/l	96
60) Dibromochloromethane	11.14	129	130935	55.274	ug/l	99
61) 1,2-Dibromoethane	11.25	107	92213	54.436	ug/l	100
64) Tetrachloroethene	10.88	164	133473	52.988	ug/l	95
65) Chlorobenzene	11.67	112	357698	52.641	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	140484	55.992	ug/l	98
67) Ethyl Benzene	11.75	91	629896	53.867	ug/l	99
68) m/p-Xylenes	11.86	106	493173	109.727	ug/l	99
69) o-Xylene	12.18	106	226906	55.506	ug/l	98
70) Styrene	12.20	104	396750	56.487	ug/l	99
71) Bromoform	12.37	173	84696	57.630	ug/l #	98
73) Isopropylbenzene	12.48	105	634028	51.070	ug/l	99
74) N-amyl acetate	12.30	43	127736	49.623	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	98515	48.015	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	64294m	41.619	ug/l	
77) Bromobenzene	12.77	156	159693	50.332	ug/l	94
78) n-propylbenzene	12.83	91	736141	51.098	ug/l	98
79) 2-Chlorotoluene	12.91	91	414890	50.409	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	534347	52.388	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	34396	51.091	ug/l	99
82) 4-Chlorotoluene	13.01	91	440624	50.720	ug/l	99
83) tert-Butylbenzene	13.23	119	466929	52.314	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	527185	52.389	ug/l	99
85) sec-Butylbenzene	13.41	105	649426	52.825	ug/l	98
86) p-Isopropyltoluene	13.53	119	604519	54.125	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	300339	50.985	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	305654	51.327	ug/l	98
89) n-Butylbenzene	13.85	91	555784	53.517	ug/l	98
90) Hexachloroethane	14.12	117	117523	50.829	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	264355	51.789	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	16948	50.401	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	203151	55.446	ug/l	99
94) Hexachlorobutadiene	15.28	225	126835	55.993	ug/l	100
95) Naphthalene	15.41	128	317610	48.834	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	173285	54.402	ug/l	99

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

