

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101920\
 Data File : VD067303.D
 Acq On : 19 Oct 2020 12:21
 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
 10/20/2020 4:50:58 PM

Quant Time: Oct 20 01:17:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	328428	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	468017	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	422817	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	212379	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	145810	44.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.62%	
35) Dibromofluoromethane	7.92	113	151023	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
50) Toluene-d8	10.34	98	558334	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
62) 4-Bromofluorobenzene	12.64	95	189365	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	125289	47.288	ug/l	94
3) Chloromethane	2.20	50	88217	42.680	ug/l	91
4) Vinyl Chloride	2.35	62	99824	44.016	ug/l	98
5) Bromomethane	2.77	94	74581	47.122	ug/l	99
6) Chloroethane	2.92	64	64414	45.606	ug/l	93
7) Trichlorofluoromethane	3.27	101	281820	49.349	ug/l	95
8) Diethyl Ether	3.70	74	56521	43.252	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	144308	47.562	ug/l	99
10) Methyl Iodide	4.30	142	142407	50.881	ug/l	97
11) Tert butyl alcohol	5.21	59	37613	213.151	ug/l #	91
12) 1,1-Dichloroethene	4.07	96	128183	47.290	ug/l	99
13) Acrolein	3.93	56	45424	232.636	ug/l	99
14) Allyl chloride	4.71	41	142368	45.864	ug/l	96
15) Acrylonitrile	5.42	53	96426	221.144	ug/l	98
16) Acetone	4.16	43	119828	260.035	ug/l	95
17) Carbon Disulfide	4.41	76	348114	45.050	ug/l	97
18) Methyl Acetate	4.71	43	44641	42.472	ug/l	96
19) Methyl tert-butyl Ether	5.47	73	253676	47.067	ug/l	98
20) Methylene Chloride	4.96	84	139506	46.992	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	147391	47.252	ug/l	99
22) Diisopropyl ether	6.36	45	271588	47.895	ug/l	99
23) Vinyl Acetate	6.30	43	793077	245.835	ug/l	98
24) 1,1-Dichloroethane	6.27	63	227391	46.846	ug/l	98
25) 2-Butanone	7.21	43	121075	230.495	ug/l	95
26) 2,2-Dichloropropane	7.21	77	252682	50.505	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	163665	47.874	ug/l	98
28) Bromochloromethane	7.54	49	73204	44.215	ug/l #	95
29) Tetrahydrofuran	7.56	42	68304	233.923	ug/l	95
30) Chloroform	7.71	83	281433	48.535	ug/l	92
31) Cyclohexane	7.98	56	173271	45.721	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	285143	50.119	ug/l	99
36) 1,1-Dichloropropene	8.11	75	203089	51.198	ug/l	100
37) Ethyl Acetate	7.30	43	55921	47.915	ug/l #	91
38) Carbon Tetrachloride	8.10	117	270897	53.433	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	214180	51.648	ug/l	97
40) Benzene	8.35	78	551902	50.715	ug/l	97
41) Methacrylonitrile	7.52	41	30302	48.047	ug/l	91
42) 1,2-Dichloroethane	8.43	62	168199	49.389	ug/l	100
43) Isopropyl Acetate	8.46	43	112401	48.536	ug/l	99
44) Trichloroethene	9.11	130	177227	50.865	ug/l	97
45) 1,2-Dichloropropane	9.39	63	121025	47.986	ug/l	96
46) Dibromomethane	9.48	93	77444	49.284	ug/l	93
47) Bromodichloromethane	9.67	83	209115	49.670	ug/l	98
48) Methyl methacrylate	9.46	41	53767	47.776	ug/l	96
49) 1,4-Dioxane	9.47	88	15660	1030.741	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	278807	241.380	ug/l	99
52) Toluene	10.41	92	382998	51.673	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	183258	49.551	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	216034	49.913	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	102514	47.841	ug/l	96
56) Ethyl methacrylate	10.67	69	110954	49.927	ug/l	98
57) 1,3-Dichloropropane	10.95	76	166150	48.723	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	277470	243.386	ug/l	97
59) 2-Hexanone	10.98	43	202096	256.050	ug/l	99
60) Dibromochloromethane	11.14	129	156700	50.145	ug/l	98
61) 1,2-Dibromoethane	11.25	107	102881	48.701	ug/l	100
64) Tetrachloroethene	10.88	164	157317	51.353	ug/l	96
65) Chlorobenzene	11.67	112	415480	51.243	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	166861	51.780	ug/l	98
67) Ethyl Benzene	11.75	91	744878	53.594	ug/l	99
68) m/p-Xylenes	11.86	106	564834	105.534	ug/l	100
69) o-Xylene	12.18	106	259070	52.273	ug/l	98
70) Styrene	12.20	104	441908	51.796	ug/l	98
71) Bromoform	12.37	173	84880	49.030	ug/l #	99
73) Isopropylbenzene	12.48	105	744750	55.253	ug/l	99
74) N-amyl acetate	12.29	43	104244	51.206	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	103957	50.335	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	74825m	50.833	ug/l	
77) Bromobenzene	12.77	156	174392	51.896	ug/l	99
78) n-propylbenzene	12.83	91	862180	55.207	ug/l	100
79) 2-Chlorotoluene	12.91	91	482681	53.296	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	641528	54.770	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	32540	50.130	ug/l	99
82) 4-Chlorotoluene	13.01	91	508507	52.902	ug/l	99
83) tert-Butylbenzene	13.23	119	561096	56.709	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	632445	54.630	ug/l	99
85) sec-Butylbenzene	13.41	105	754106	55.545	ug/l	100
86) p-Isopropyltoluene	13.52	119	714128	55.729	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	328144	50.733	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	334054	52.129	ug/l	99
89) n-Butylbenzene	13.85	91	628850	55.782	ug/l	99
90) Hexachloroethane	14.12	117	119378	53.385	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	287059	50.803	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	18335	48.867	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	206155	54.113	ug/l	98
94) Hexachlorobutadiene	15.27	225	132940	56.193	ug/l	99
95) Naphthalene	15.41	128	334539	53.485	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	175695	53.383	ug/l	97

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

