

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110620\
 Data File : VD067544.D
 Acq On : 06 Nov 2020 09:41
 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
 11/9/2020 10:13:17 AM

Quant Time: Nov 06 23:35:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	334208	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	467576	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	424631	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	215183	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	132325	45.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.56%	
35) Dibromofluoromethane	7.91	113	136169	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
50) Toluene-d8	10.34	98	477141	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
62) 4-Bromofluorobenzene	12.64	95	171305	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	135891	50.254	ug/l	98
3) Chloromethane	2.21	50	90137	43.310	ug/l	94
4) Vinyl Chloride	2.35	62	104336	44.966	ug/l	98
5) Bromomethane	2.77	94	83730	44.521	ug/l	100
6) Chloroethane	2.93	64	64319	44.962	ug/l	100
7) Trichlorofluoromethane	3.27	101	288012	47.939	ug/l	95
8) Diethyl Ether	3.70	74	56870	46.978	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	148862	49.087	ug/l	97
10) Methyl Iodide	4.30	142	156015	48.000	ug/l	98
11) Tert butyl alcohol	5.21	59	36317	291.759	ug/l #	95
12) 1,1-Dichloroethene	4.07	96	134460	48.203	ug/l	95
13) Acrolein	3.93	56	32606	251.226	ug/l	99
14) Allyl chloride	4.71	41	138684	46.454	ug/l	100
15) Acrylonitrile	5.41	53	105689	236.178	ug/l	97
16) Acetone	4.16	43	121167	277.078	ug/l	89
17) Carbon Disulfide	4.41	76	395110	46.224	ug/l	100
18) Methyl Acetate	4.71	43	41567	45.998	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	273791	49.760	ug/l	99
20) Methylene Chloride	4.96	84	143339	46.402	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	153512	47.249	ug/l	97
22) Diisopropyl ether	6.36	45	283849	48.790	ug/l	97
23) Vinyl Acetate	6.30	43	781835	256.733	ug/l	99
24) 1,1-Dichloroethane	6.27	63	228258	47.959	ug/l	97
25) 2-Butanone	7.21	43	117093	250.590	ug/l	100
26) 2,2-Dichloropropane	7.21	77	246793	49.131	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	163918	48.607	ug/l	98
28) Bromochloromethane	7.55	49	81875	48.362	ug/l	96
29) Tetrahydrofuran	7.56	42	73004	260.825	ug/l	98
30) Chloroform	7.71	83	279902	49.295	ug/l	99
31) Cyclohexane	7.98	56	192618	45.446	ug/l #	96
32) 1,1,1-Trichloroethane	7.90	97	285503	48.733	ug/l	99
36) 1,1-Dichloropropene	8.11	75	204952	51.208	ug/l	99
37) Ethyl Acetate	7.29	43	54010	51.978	ug/l	98
38) Carbon Tetrachloride	8.10	117	273783	52.649	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	239111	50.759	ug/l	94
40) Benzene	8.36	78	560872	51.734	ug/l	99
41) Methacrylonitrile	7.53	41	32383m	52.137	ug/l	
42) 1,2-Dichloroethane	8.43	62	169303	50.543	ug/l	99
43) Isopropyl Acetate	8.46	43	106374	51.764	ug/l	99
44) Trichloroethene	9.11	130	181333	50.868	ug/l	92
45) 1,2-Dichloropropane	9.39	63	121341	51.767	ug/l	97
46) Dibromomethane	9.48	93	75781	50.847	ug/l	96
47) Bromodichloromethane	9.66	83	210988	52.085	ug/l	98
48) Methyl methacrylate	9.46	41	52074	49.078	ug/l	93
49) 1,4-Dioxane	9.46	88	15300	1011.241	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	268082	272.771	ug/l	100
52) Toluene	10.41	92	388700	53.528	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	186869	53.862	ug/l	92
54) cis-1,3-Dichloropropene	10.09	75	211115	51.216	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	102908	52.186	ug/l	96
56) Ethyl methacrylate	10.66	69	111794	54.899	ug/l	98
57) 1,3-Dichloropropane	10.95	76	164509	51.843	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	248589	261.776	ug/l	99
59) 2-Hexanone	10.98	43	202166	294.196	ug/l	98
60) Dibromochloromethane	11.14	129	154890	53.098	ug/l	100
61) 1,2-Dibromoethane	11.25	107	100274	50.666	ug/l	97
64) Tetrachloroethene	10.88	164	161545	51.369	ug/l	98
65) Chlorobenzene	11.67	112	420755	51.440	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	166595	51.676	ug/l	100
67) Ethyl Benzene	11.75	91	737371	52.681	ug/l	98
68) m/p-Xylenes	11.86	106	572043	105.051	ug/l	99
69) o-Xylene	12.18	106	253298	52.100	ug/l	99
70) Styrene	12.20	104	446552	52.711	ug/l	99
71) Bromoform	12.37	173	87812	53.408	ug/l #	100
73) Isopropylbenzene	12.48	105	720245	51.790	ug/l	99
74) N-amyl acetate	12.29	43	96787	52.891	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	98192	51.779	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	58367m	44.963	ug/l	
77) Bromobenzene	12.77	156	175802	51.474	ug/l	98
78) n-propylbenzene	12.83	91	817991	51.423	ug/l	99
79) 2-Chlorotoluene	12.91	91	470010	52.015	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	623824	52.511	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	33242	51.991	ug/l	95
82) 4-Chlorotoluene	13.01	91	500292	51.624	ug/l	99
83) tert-Butylbenzene	13.23	119	532529	52.891	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	613385	51.870	ug/l	100
85) sec-Butylbenzene	13.41	105	695347	51.159	ug/l	100
86) p-Isopropyltoluene	13.52	119	669865	51.037	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	327025	50.180	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	327564	49.639	ug/l	100
89) n-Butylbenzene	13.85	91	573469	50.584	ug/l	99
90) Hexachloroethane	14.11	117	123334	49.899	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	281526	49.914	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	17840	53.133	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	191942	50.140	ug/l	99
94) Hexachlorobutadiene	15.27	225	125963	49.165	ug/l	97
95) Naphthalene	15.40	128	315408	53.389	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	163678	49.930	ug/l	97

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

