

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100820\
 Data File : VD067202.D
 Acq On : 08 Oct 2020 18:43
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/9/2020 4:22:32 PM

Quant Time: Oct 09 03:42:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	336670	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	519596	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	483953	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	247732	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	162779	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
35) Dibromofluoromethane	7.91	113	170337	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
50) Toluene-d8	10.34	98	606567	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
62) 4-Bromofluorobenzene	12.64	95	217153	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	152438	56.931	ug/l	96
3) Chloromethane	2.21	50	105356	39.295	ug/l	94
4) Vinyl Chloride	2.35	62	115101	42.814	ug/l	97
5) Bromomethane	2.77	94	91214	52.887	ug/l	96
6) Chloroethane	2.92	64	72741	44.429	ug/l	97
7) Trichlorofluoromethane	3.27	101	275669	46.153	ug/l	100
8) Diethyl Ether	3.71	74	67937	45.867	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	152734	45.241	ug/l	97
10) Methyl Iodide	4.30	142	154415	47.073	ug/l	98
11) Tert butyl alcohol	5.21	59	42700	218.572	ug/l	97
12) 1,1-Dichloroethene	4.07	96	138074	43.506	ug/l	97
13) Acrolein	3.93	56	53344	245.671	ug/l	99
14) Allyl chloride	4.71	41	166830	40.464	ug/l	89
15) Acrylonitrile	5.43	53	118783	217.896	ug/l	97
16) Acetone	4.16	43	105521	213.168	ug/l	90
17) Carbon Disulfide	4.41	76	402439	41.319	ug/l	99
18) Methyl Acetate	4.73	43	51792	41.629	ug/l	90
19) Methyl tert-butyl Ether	5.48	73	287869	49.687	ug/l	98
20) Methylene Chloride	4.97	84	173196	49.187	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	163755	45.339	ug/l	93
22) Diisopropyl ether	6.37	45	325385	43.229	ug/l	96
23) Vinyl Acetate	6.31	43	948242	222.318	ug/l	94
24) 1,1-Dichloroethane	6.26	63	259221	44.625	ug/l	98
25) 2-Butanone	7.21	43	139507	198.780	ug/l	93
26) 2,2-Dichloropropane	7.21	77	247602	49.834	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	182840	47.400	ug/l	98
28) Bromochloromethane	7.54	49	97076	43.273	ug/l	85
29) Tetrahydrofuran	7.56	42	80403	199.245	ug/l	90
30) Chloroform	7.71	83	302428	47.993	ug/l	99
31) Cyclohexane	7.98	56	186903	38.378	ug/l	91
32) 1,1,1-Trichloroethane	7.91	97	287129	49.166	ug/l	97
36) 1,1-Dichloropropene	8.11	75	218291	45.072	ug/l	98
37) Ethyl Acetate	7.29	43	69519	41.434	ug/l	98
38) Carbon Tetrachloride	8.10	117	270522	51.624	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	233079	45.519	ug/l	97
40) Benzene	8.36	78	624216	46.402	ug/l	100
41) Methacrylonitrile	7.53	41	43255	47.720	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	186633	49.650	ug/l	96
43) Isopropyl Acetate	8.46	43	129066	41.757	ug/l #	93
44) Trichloroethene	9.11	130	196099	48.818	ug/l	99
45) 1,2-Dichloropropane	9.38	63	141540	44.780	ug/l	94
46) Dibromomethane	9.47	93	88555	48.746	ug/l	95
47) Bromodichloromethane	9.66	83	241839	51.212	ug/l	98
48) Methyl methacrylate	9.46	41	62911	39.729	ug/l #	69
49) 1,4-Dioxane	9.47	88	16973	895.195	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	337556	219.253	ug/l	97
52) Toluene	10.40	92	428478	49.446	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	212308	50.304	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	247951	48.112	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	122336	48.436	ug/l	98
56) Ethyl methacrylate	10.66	69	135770	52.066	ug/l	93
57) 1,3-Dichloropropane	10.95	76	198143	48.378	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	354134	244.000	ug/l	94
59) 2-Hexanone	10.98	43	223486	217.488	ug/l	93
60) Dibromochloromethane	11.14	129	171866	51.054	ug/l	93
61) 1,2-Dibromoethane	11.25	107	120323	49.587	ug/l	98
64) Tetrachloroethene	10.87	164	168849	47.991	ug/l	91
65) Chlorobenzene	11.67	112	469337	48.761	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	187352	51.171	ug/l	98
67) Ethyl Benzene	11.75	91	819322	49.680	ug/l	99
68) m/p-Xylenes	11.86	106	622246	96.816	ug/l	96
69) o-Xylene	12.18	106	291452	50.710	ug/l	94
70) Styrene	12.20	104	498424	50.503	ug/l	98
71) Bromoform	12.37	173	97887	51.505	ug/l #	97
73) Isopropylbenzene	12.48	105	805001	47.856	ug/l	99
74) N-amyl acetate	12.29	43	125248	41.419	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.74	83	119563	42.186	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	89328m	41.397	ug/l	
77) Bromobenzene	12.77	156	197203	48.551	ug/l	92
78) n-propylbenzene	12.83	91	932192	46.891	ug/l	98
79) 2-Chlorotoluene	12.91	91	539625	47.443	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	706176	49.689	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	37006	42.756	ug/l	95
82) 4-Chlorotoluene	13.01	91	570420	47.136	ug/l	99
83) tert-Butylbenzene	13.23	119	591879	49.455	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	698086	49.220	ug/l	98
85) sec-Butylbenzene	13.41	105	798099	47.354	ug/l	99
86) p-Isopropyltoluene	13.53	119	756918	48.442	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	369955	46.761	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	366180	46.289	ug/l	99
89) n-Butylbenzene	13.85	91	673271	47.147	ug/l	99
90) Hexachloroethane	14.12	117	127637	46.633	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	325419	47.098	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	20494	44.858	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	229414	51.332	ug/l	99
94) Hexachlorobutadiene	15.28	225	134308	48.933	ug/l	99
95) Naphthalene	15.41	128	381272	51.146	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	199918	51.529	ug/l	99

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

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