

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081920\
 Data File : VD066349.D
 Acq On : 20 Aug 2020 07:15
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 3:37:08 PM

Quant Time: Aug 20 08:30:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	182161	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	273182	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	250289	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	124053	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	93061	57.26	ug/l	0.00
Spiked Amount			Recovery	=	114.52%	
35) Dibromofluoromethane	7.91	113	89237	51.56	ug/l	0.00
Spiked Amount			Recovery	=	103.12%	
50) Toluene-d8	10.34	98	318615	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	
62) 4-Bromofluorobenzene	12.63	95	111815	48.57	ug/l	0.00
Spiked Amount			Recovery	=	97.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	64075	39.925	ug/l	96
3) Chloromethane	2.20	50	50223	40.229	ug/l	98
4) Vinyl Chloride	2.35	62	51906	46.962	ug/l	100
5) Bromomethane	2.77	94	43033	58.684	ug/l	99
6) Chloroethane	2.92	64	35722	52.651	ug/l #	86
7) Trichlorofluoromethane	3.27	101	145436	50.472	ug/l	95
8) Diethyl Ether	3.71	74	37564	46.200	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.09	101	78288	45.780	ug/l	97
10) Methyl Iodide	4.30	142	91348	57.509	ug/l	92
11) Tert butyl alcohol	5.21	59	27916	226.464	ug/l	99
12) 1,1-Dichloroethene	4.07	96	73768	45.727	ug/l	98
13) Acrolein	3.93	56	21448	165.802	ug/l	98
14) Allyl chloride	4.71	41	103877	42.503	ug/l #	82
15) Acrylonitrile	5.43	53	82277	240.140	ug/l	99
16) Acetone	4.15	43	65799	213.383	ug/l	92
17) Carbon Disulfide	4.41	76	202607	39.499	ug/l	99
18) Methyl Acetate	4.71	43	37074	47.334	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	190482	51.514	ug/l	97
20) Methylene Chloride	4.96	84	102772	58.861	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	88254	47.622	ug/l	90
22) Diisopropyl ether	6.36	45	216140	44.721	ug/l	93
23) Vinyl Acetate	6.30	43	646301	228.261	ug/l	100
24) 1,1-Dichloroethane	6.26	63	148209	49.551	ug/l	98
25) 2-Butanone	7.21	43	94068	207.408	ug/l	91
26) 2,2-Dichloropropane	7.21	77	132812	49.543	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	102062	52.506	ug/l	98
28) Bromochloromethane	7.54	49	52622	50.091	ug/l	93
29) Tetrahydrofuran	7.56	42	58794	209.233	ug/l	92
30) Chloroform	7.71	83	175865	55.996	ug/l	98
31) Cyclohexane	7.98	56	109622	38.502	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	165274	56.125	ug/l	97
36) 1,1-Dichloropropene	8.10	75	120296	46.861	ug/l	98
37) Ethyl Acetate	7.29	43	44184	43.441	ug/l	98
38) Carbon Tetrachloride	8.10	117	154642	54.020	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	128999	41.570	ug/l	98
40) Benzene	8.34	78	340290	47.785	ug/l	96
41) Methacrylonitrile	7.52	41	30279m	50.631	ug/l	
42) 1,2-Dichloroethane	8.42	62	118835	56.803	ug/l	96
43) Isopropyl Acetate	8.44	43	90570	45.194	ug/l	98
44) Trichloroethene	9.11	130	105216	49.031	ug/l	99
45) 1,2-Dichloropropane	9.38	63	78761	45.221	ug/l	91
46) Dibromomethane	9.47	93	47749	49.772	ug/l	98
47) Bromodichloromethane	9.66	83	137845	54.364	ug/l	98
48) Methyl methacrylate	9.46	41	43048	42.068	ug/l #	76
49) 1,4-Dioxane	9.46	88	10015	812.551	ug/l #	90
51) 4-Methyl-2-Pentanone	10.23	43	226960	220.483	ug/l	98
52) Toluene	10.40	92	228762	48.819	ug/l	95
53) t-1,3-Dichloropropene	10.62	75	121867	50.645	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	138654	49.181	ug/l	91
55) 1,1,2-Trichloroethane	10.80	97	66354	48.033	ug/l	97
56) Ethyl methacrylate	10.66	69	79380	47.834	ug/l	97
57) 1,3-Dichloropropane	10.94	76	110160	48.034	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	184014	246.513	ug/l	97
59) 2-Hexanone	10.98	43	157712	218.306	ug/l	96
60) Dibromochloromethane	11.14	129	97406	51.073	ug/l	98
61) 1,2-Dibromoethane	11.24	107	67218	50.596	ug/l	95
64) Tetrachloroethene	10.87	164	95279	49.574	ug/l	95
65) Chlorobenzene	11.67	112	256099	50.404	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.74	131	104582	52.606	ug/l	98
67) Ethyl Benzene	11.74	91	453935	51.555	ug/l	98
68) m/p-Xylenes	11.85	106	338223	99.146	ug/l	93
69) o-Xylene	12.18	106	159409	51.369	ug/l	97
70) Styrene	12.20	104	280519	51.581	ug/l	98
71) Bromoform	12.36	173	60499	51.363	ug/l #	100
73) Isopropylbenzene	12.48	105	451743	54.553	ug/l	99
74) N-amyl acetate	12.29	43	82510	45.248	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	67159	47.562	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	45499m	43.981	ug/l	
77) Bromobenzene	12.76	156	110562	51.867	ug/l	97
78) n-propylbenzene	12.82	91	506278	52.596	ug/l	99
79) 2-Chlorotoluene	12.91	91	297832	54.098	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	382408	55.219	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	20726	44.288	ug/l	87
82) 4-Chlorotoluene	13.00	91	313035	53.863	ug/l	98
83) tert-Butylbenzene	13.23	119	333784	54.805	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	382441	55.181	ug/l	99
85) sec-Butylbenzene	13.40	105	434672	52.862	ug/l	99
86) p-Isopropyltoluene	13.52	119	412210	53.449	ug/l	97
87) 1,3-Dichlorobenzene	13.52	146	209413	52.270	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	205793	51.507	ug/l	99
89) n-Butylbenzene	13.84	91	355451	51.441	ug/l	98
90) Hexachloroethane	14.11	117	82898	53.895	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	182510	51.511	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13206	54.417	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	132497	50.744	ug/l	98
94) Hexachlorobutadiene	15.27	225	80948	52.647	ug/l	98
95) Naphthalene	15.40	128	230047	54.071	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	118449	51.388	ug/l	99

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

