

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092920\
 Data File : VD066950.D
 Acq On : 29 Sep 2020 21:20
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/30/2020 1:22:21 PM

Quant Time: Sep 30 04:28:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	401186	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	623982	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	578721	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	279899	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	175386	44.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.34%	
35) Dibromofluoromethane	7.91	113	186667	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	
50) Toluene-d8	10.34	98	653866	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
62) 4-Bromofluorobenzene	12.63	95	232158	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	135969	48.421	ug/l	96
3) Chloromethane	2.20	50	148304	40.234	ug/l	98
4) Vinyl Chloride	2.35	62	156354	42.936	ug/l	99
5) Bromomethane	2.77	94	114644	44.790	ug/l	95
6) Chloroethane	2.92	64	99234	43.881	ug/l	97
7) Trichlorofluoromethane	3.27	101	354734	47.431	ug/l	97
8) Diethyl Ether	3.71	74	106597	56.143	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	210651	48.574	ug/l	98
10) Methyl Iodide	4.30	142	209057	54.629	ug/l	94
11) Tert butyl alcohol	5.22	59	73029	321.543	ug/l #	83
12) 1,1-Dichloroethene	4.07	96	198409	50.505	ug/l	92
13) Acrolein	3.92	56	75225	259.694	ug/l	96
14) Allyl chloride	4.71	41	292729	50.745	ug/l	96
15) Acrylonitrile	5.42	53	234684	278.916	ug/l	98
16) Acetone	4.16	43	180500	216.693	ug/l	99
17) Carbon Disulfide	4.41	76	555234	46.229	ug/l	100
18) Methyl Acetate	4.71	43	109581	59.661	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	488167	57.220	ug/l	98
20) Methylene Chloride	4.96	84	253117	57.134	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	233967	51.435	ug/l	97
22) Diisopropyl ether	6.36	45	642011	54.128	ug/l	99
23) Vinyl Acetate	6.30	43	1713492	265.913	ug/l	97
24) 1,1-Dichloroethane	6.26	63	401530	50.604	ug/l	96
25) 2-Butanone	7.21	43	269650	269.377	ug/l	100
26) 2,2-Dichloropropane	7.21	77	334196	45.952	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	268550	54.337	ug/l	96
28) Bromochloromethane	7.54	49	166568	50.813	ug/l #	91
29) Tetrahydrofuran	7.56	42	183615	286.272	ug/l	96
30) Chloroform	7.71	83	445065	52.035	ug/l	99
31) Cyclohexane	7.98	56	318639	44.630	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	390982	50.532	ug/l	98
36) 1,1-Dichloropropene	8.11	75	323378	52.239	ug/l	99
37) Ethyl Acetate	7.29	43	131505	58.763	ug/l	97
38) Carbon Tetrachloride	8.09	117	347968	51.415	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	368750	51.882	ug/l	95
40) Benzene	8.35	78	942473	54.628	ug/l	98
41) Methacrylonitrile	7.52	41	56954m	41.384	ug/l	
42) 1,2-Dichloroethane	8.42	62	274763	53.872	ug/l	99
43) Isopropyl Acetate	8.45	43	244090	56.574	ug/l	99
44) Trichloroethene	9.11	130	267444	54.385	ug/l	100
45) 1,2-Dichloropropane	9.38	63	235678	54.294	ug/l	95
46) Dibromomethane	9.47	93	131518	55.765	ug/l	97
47) Bromodichloromethane	9.66	83	347134	54.792	ug/l #	96
48) Methyl methacrylate	9.46	41	116043	54.551	ug/l	97
49) 1,4-Dioxane	9.46	88	32810	1252.989	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	650491	297.545	ug/l	98
52) Toluene	10.40	92	616847	55.507	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	306606	56.859	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	367331	55.866	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	185064	57.080	ug/l	97
56) Ethyl methacrylate	10.66	69	219240	63.122	ug/l	97
57) 1,3-Dichloropropane	10.94	76	303508	56.692	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	425995	259.030	ug/l	98
59) 2-Hexanone	10.98	43	436068	295.777	ug/l	95
60) Dibromochloromethane	11.14	129	250352	59.164	ug/l	98
61) 1,2-Dibromoethane	11.24	107	181599	60.219	ug/l	98
64) Tetrachloroethene	10.87	164	232539	55.861	ug/l	98
65) Chlorobenzene	11.67	112	659263	54.727	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	259297	56.872	ug/l	100
67) Ethyl Benzene	11.74	91	1181843	55.860	ug/l	99
68) m/p-Xylenes	11.86	106	924501	115.412	ug/l	97
69) o-Xylene	12.18	106	421090	58.135	ug/l	98
70) Styrene	12.20	104	733833	58.339	ug/l	100
71) Bromoform	12.36	173	137182	59.426	ug/l #	98
73) Isopropylbenzene	12.48	105	1141427	56.451	ug/l	99
74) N-amyl acetate	12.29	43	226242	57.296	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	191687	54.940	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	100195m	43.195	ug/l	
77) Bromobenzene	12.76	156	268935	56.869	ug/l	94
78) n-propylbenzene	12.82	91	1326089	54.514	ug/l	99
79) 2-Chlorotoluene	12.91	91	753628	54.367	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	964639	56.225	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	56634	61.086	ug/l	95
82) 4-Chlorotoluene	13.01	91	797997	54.611	ug/l	99
83) tert-Butylbenzene	13.23	119	793381	56.275	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	967690	56.880	ug/l	99
85) sec-Butylbenzene	13.40	105	1123318	55.409	ug/l	99
86) p-Isopropyltoluene	13.52	119	1049972	57.457	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	519995	55.657	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	503417	54.252	ug/l	99
89) n-Butylbenzene	13.85	91	950573	54.727	ug/l	99
90) Hexachloroethane	14.11	117	198057	53.385	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	450286	56.334	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	31493	56.111	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	298850	59.393	ug/l	98
94) Hexachlorobutadiene	15.27	225	171263	56.799	ug/l	99
95) Naphthalene	15.41	128	554183	64.872	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	265696	61.178	ug/l	99

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

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