

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073020\
 Data File : VD066101.D
 Acq On : 30 Jul 2020 10:06
 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
 7/31/2020 11:56:10 AM

Quant Time: Jul 31 02:48:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	235652	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	320987	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	296030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	168843	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	100147	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	
35) Dibromofluoromethane	7.91	113	101380	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
50) Toluene-d8	10.34	98	391839	54.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.06%	
62) 4-Bromofluorobenzene	12.64	95	133832	53.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	77661	43.426	ug/l	97
3) Chloromethane	2.21	50	58493	40.079	ug/l	95
4) Vinyl Chloride	2.35	62	65937	47.443	ug/l	98
5) Bromomethane	2.77	94	48982	50.126	ug/l	98
6) Chloroethane	2.92	64	40639	48.984	ug/l	91
7) Trichlorofluoromethane	3.27	101	175103	51.798	ug/l	99
8) Diethyl Ether	3.70	74	40297	43.126	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.10	101	100851	49.408	ug/l	97
10) Methyl Iodide	4.30	142	98311	48.089	ug/l	91
11) Tert butyl alcohol	5.22	59	24838	200.526	ug/l #	87
12) 1,1-Dichloroethene	4.07	96	92245	47.344	ug/l	95
13) Acrolein	3.92	56	27364	169.382	ug/l	96
14) Allyl chloride	4.71	41	127625	41.904	ug/l	86
15) Acrylonitrile	5.41	53	87397	218.933	ug/l	98
16) Acetone	4.15	43	112275	289.276	ug/l	99
17) Carbon Disulfide	4.41	76	254670	40.295	ug/l	97
18) Methyl Acetate	4.71	43	36690	40.636	ug/l	96
19) Methyl tert-butyl Ether	5.47	73	197705	49.387	ug/l	98
20) Methylene Chloride	4.97	84	97116	44.953	ug/l	87
21) trans-1,2-Dichloroethene	5.47	96	104632	47.515	ug/l	98
22) Diisopropyl ether	6.36	45	260819	45.076	ug/l	96
23) Vinyl Acetate	6.30	43	762039	233.520	ug/l	95
24) 1,1-Dichloroethane	6.26	63	166928	47.613	ug/l	96
25) 2-Butanone	7.21	43	120335	233.656	ug/l	92
26) 2,2-Dichloropropane	7.21	77	167304	53.066	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	110650	47.458	ug/l	98
28) Bromochloromethane	7.54	49	71019	47.727	ug/l	90
29) Tetrahydrofuran	7.56	42	68797	216.504	ug/l	92
30) Chloroform	7.71	83	187731	51.190	ug/l	92
31) Cyclohexane	7.98	56	145171	42.088	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	181944	53.634	ug/l	99
36) 1,1-Dichloropropene	8.11	75	148471	54.197	ug/l	99
37) Ethyl Acetate	7.29	43	50572	48.338	ug/l	98
38) Carbon Tetrachloride	8.09	117	177333	59.659	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	175442	52.884	ug/l	100
40) Benzene	8.35	78	391046	51.023	ug/l	100
41) Methacrylonitrile	7.52	41	28372m	47.340	ug/l	
42) 1,2-Dichloroethane	8.42	62	116856	55.642	ug/l	100
43) Isopropyl Acetate	8.45	43	99667	48.776	ug/l	99
44) Trichloroethene	9.11	130	121709	52.478	ug/l	95
45) 1,2-Dichloropropane	9.38	63	92779	49.984	ug/l	97
46) Dibromomethane	9.47	93	51629	51.668	ug/l	95
47) Bromodichloromethane	9.66	83	142017	53.752	ug/l	98
48) Methyl methacrylate	9.46	41	46081	44.707	ug/l #	84
49) 1,4-Dioxane	9.46	88	11896	1027.577	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	254469	247.160	ug/l	98
52) Toluene	10.40	92	273420	54.705	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	136041	55.267	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	152427	51.085	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	74524	52.586	ug/l	96
56) Ethyl methacrylate	10.66	69	89849	54.531	ug/l	94
57) 1,3-Dichloropropane	10.95	76	122263	52.114	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	190562	242.105	ug/l	97
59) 2-Hexanone	10.98	43	199162	279.142	ug/l	98
60) Dibromochloromethane	11.14	129	104055	54.456	ug/l	98
61) 1,2-Dibromoethane	11.25	107	73173	53.551	ug/l	99
64) Tetrachloroethene	10.88	164	111444	55.465	ug/l	93
65) Chlorobenzene	11.67	112	294151	54.270	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	115235	57.579	ug/l	98
67) Ethyl Benzene	11.75	91	526602	56.456	ug/l	100
68) m/p-Xylenes	11.86	106	401783	112.068	ug/l	96
69) o-Xylene	12.18	106	185586	56.914	ug/l	97
70) Styrene	12.20	104	331904	59.241	ug/l	99
71) Bromoform	12.37	173	68435	58.376	ug/l #	96
73) Isopropylbenzene	12.48	105	538076	52.666	ug/l	99
74) N-amyl acetate	12.29	43	98090	46.305	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	78942	46.754	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	60639m	47.698	ug/l	
77) Bromobenzene	12.77	156	130589	50.015	ug/l	95
78) n-propylbenzene	12.83	91	623361	52.580	ug/l	100
79) 2-Chlorotoluene	12.91	91	344295	50.833	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	456513	54.387	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	27532	49.694	ug/l	99
82) 4-Chlorotoluene	13.01	91	362045	50.642	ug/l	100
83) tert-Butylbenzene	13.23	119	394455	53.703	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	447688	54.061	ug/l	97
85) sec-Butylbenzene	13.41	105	550206	54.384	ug/l	100
86) p-Isopropyltoluene	13.53	119	511721	55.674	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	251249	51.829	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	255063	52.047	ug/l	98
89) n-Butylbenzene	13.85	91	469550	54.941	ug/l	99
90) Hexachloroethane	14.12	117	98777	51.913	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	218308	51.970	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13682	49.444	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	166043	55.068	ug/l	98
94) Hexachlorobutadiene	15.28	225	106863	57.327	ug/l	99
95) Naphthalene	15.41	128	257866	48.227	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	140100	53.448	ug/l	99

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

