

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082820\
 Data File : VD066463.D
 Acq On : 28 Aug 2020 16:45
 Operator : VA/SY
 Sample : L3827-08MS
 Misc : 6.87G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 789UMR-TP11-0006-01MS

Manual Integrations
 APPROVED

MMDadoda
 8/31/2020 11:58:39 AM

Quant Time: Aug 29 01:48:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	152346	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	204891	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	190274	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	105339	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	89269	59.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.54%	
35) Dibromofluoromethane	7.91	113	66393	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	
50) Toluene-d8	10.33	98	252181	53.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.60%	
62) 4-Bromofluorobenzene	12.63	95	94750	56.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	60610	46.797	ug/l	99
3) Chloromethane	2.20	50	35448	38.612	ug/l	95
4) Vinyl Chloride	2.35	62	45664	46.327	ug/l	91
5) Bromomethane	2.76	94	36738	49.829	ug/l	98
6) Chloroethane	2.92	64	30413	48.185	ug/l	96
7) Trichlorofluoromethane	3.27	101	149642	55.829	ug/l	99
8) Diethyl Ether	3.71	74	27468	45.738	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	4.09	101	63840	48.262	ug/l	97
10) Methyl Iodide	4.30	142	65209	43.222	ug/l	89
11) Tert butyl alcohol	5.22	59	25300	305.195	ug/l #	83
12) 1,1-Dichloroethene	4.06	96	57406	46.233	ug/l	90
13) Acrolein	3.92	56	2757	41.568	ug/l	100
14) Allyl chloride	4.71	41	67244	40.574	ug/l #	77
15) Acrylonitrile	5.41	53	53939	223.854	ug/l	99
16) Acetone	4.15	43	64448	239.342	ug/l #	88
17) Carbon Disulfide	4.41	76	156869	41.687	ug/l	98
18) Methyl Acetate	4.71	43	21828	43.191	ug/l	93
19) Methyl tert-butyl Ether	5.47	73	160085	53.543	ug/l	98
20) Methylene Chloride	4.97	84	69013	47.666	ug/l #	92
21) trans-1,2-Dichloroethene	5.47	96	67108	46.430	ug/l	90
22) Diisopropyl ether	6.36	45	137937	42.988	ug/l	94
23) Vinyl Acetate	6.30	43	463098	233.131	ug/l	96
24) 1,1-Dichloroethane	6.26	63	104251	45.975	ug/l	99
25) 2-Butanone	7.21	43	70703	231.290	ug/l #	88
26) 2,2-Dichloropropane	7.20	77	131366	54.052	ug/l	96
27) cis-1,2-Dichloroethene	7.20	96	75058	48.465	ug/l	97
28) Bromochloromethane	7.54	49	33438	42.810	ug/l #	80
29) Tetrahydrofuran	7.56	42	36316	209.160	ug/l #	85
30) Chloroform	7.70	83	137599	52.447	ug/l	97
31) Cyclohexane	7.98	56	84322	40.659	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	153503	57.168	ug/l	99
36) 1,1-Dichloropropene	8.11	75	93463	49.994	ug/l	99
37) Ethyl Acetate	7.29	43	30322	47.688	ug/l #	67
38) Carbon Tetrachloride	8.09	117	152298	62.528	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	111065	50.433	ug/l	95
40) Benzene	8.34	78	246807	50.184	ug/l	98
41) Methacrylonitrile	7.51	41	20412m	52.056	ug/l	
42) 1,2-Dichloroethane	8.42	62	108827	62.828	ug/l	98
43) Isopropyl Acetate	8.44	43	63684	49.900	ug/l	100
44) Trichloroethene	9.11	130	86940	54.403	ug/l	95
45) 1,2-Dichloropropane	9.38	63	51749	46.414	ug/l	92
46) Dibromomethane	9.47	93	36429	52.477	ug/l	96
47) Bromodichloromethane	9.66	83	112364	58.858	ug/l	98
48) Methyl methacrylate	9.45	41	31322	47.594	ug/l #	87
49) 1,4-Dioxane	9.45	88	8520	1056.983	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	152017	246.225	ug/l	100
52) Toluene	10.40	92	176613	53.005	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	102166	56.400	ug/l	94
54) cis-1,3-Dichloropropene	10.08	75	104827	51.555	ug/l #	87
55) 1,1,2-Trichloroethane	10.80	97	47375	50.411	ug/l	95
56) Ethyl methacrylate	10.66	69	55404	50.927	ug/l #	82
57) 1,3-Dichloropropane	10.94	76	81683	52.547	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	105083	232.568	ug/l	90
59) 2-Hexanone	10.98	43	112134	257.492	ug/l	99
60) Dibromochloromethane	11.14	129	81168	57.299	ug/l	97
61) 1,2-Dibromoethane	11.24	107	47960	51.858	ug/l	98
64) Tetrachloroethene	10.87	164	78275	54.229	ug/l	91
65) Chlorobenzene	11.67	112	198616	52.467	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	85776	55.446	ug/l	97
67) Ethyl Benzene	11.74	91	361137	54.196	ug/l	97
68) m/p-Xylenes	11.85	106	275317	108.401	ug/l	94
69) o-Xylene	12.18	106	127207	53.838	ug/l	100
70) Styrene	12.19	104	220295	54.300	ug/l	96
71) Bromoform	12.36	173	50444	57.474	ug/l #	98
73) Isopropylbenzene	12.48	105	363606	51.527	ug/l	100
74) N-amyl acetate	12.28	43	58162	45.635	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	45242	44.880	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	31590m	42.628	ug/l	
77) Bromobenzene	12.76	156	96169	53.694	ug/l	94
78) n-propylbenzene	12.82	91	404084	49.942	ug/l	96
79) 2-Chlorotoluene	12.91	91	231352	50.064	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	328571	53.928	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	15778	45.194	ug/l	86
82) 4-Chlorotoluene	13.00	91	248257	50.706	ug/l	98
83) tert-Butylbenzene	13.23	119	282771	53.433	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	325486	54.390	ug/l	99
85) sec-Butylbenzene	13.40	105	361371	52.118	ug/l	99
86) p-Isopropyltoluene	13.52	119	360550	53.928	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	173341	51.847	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	175239	52.203	ug/l	99
89) n-Butylbenzene	13.84	91	302902	51.341	ug/l	98
90) Hexachloroethane	14.11	117	66234	50.150	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	153701	53.403	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10955	51.815	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	123026	54.753	ug/l	98
94) Hexachlorobutadiene	15.27	225	80160	57.408	ug/l	94
95) Naphthalene	15.40	128	196772	55.757	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	104500	54.291	ug/l	96

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

