

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081820\
 Data File : VD066297.D
 Acq On : 19 Aug 2020 02:13
 Operator : VA/SY
 Sample : VD0818SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS02

Manual Integrations
 APPROVED

MMDadoda
 8/19/2020 5:23:36 PM

Quant Time: Aug 19 08:22:04 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	7.97	168	220339	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	327098	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	310084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	162748	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	115939	58.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.96%	
35) Dibromofluoromethane	7.91	113	112900	54.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.96%	
50) Toluene-d8	10.34	98	411254	53.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.56%	
62) 4-Bromofluorobenzene	12.63	95	148031	53.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.42%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	39562	20.380	ug/l	100
3) Chloromethane	2.20	50	29291	19.397	ug/l	97
4) Vinyl Chloride	2.34	62	29224	21.859	ug/l	96
5) Bromomethane	2.76	94	21101	23.789	ug/l	91
6) Chloroethane	2.91	64	18770	22.872	ug/l #	88
7) Trichlorofluoromethane	3.27	101	71315	20.461	ug/l	96
8) Diethyl Ether	3.70	74	20525	20.870	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.09	101	39667	19.177	ug/l	96
10) Methyl Iodide	4.30	142	40656	25.402	ug/l	96
11) Tert butyl alcohol	5.20	59	21917m	131.272	ug/l	
12) 1,1-Dichloroethene	4.07	96	39057	20.015	ug/l	92
13) Acrolein	3.92	56	8380	53.556	ug/l	100
14) Allyl chloride	4.71	41	55148	18.655	ug/l	92
15) Acrylonitrile	5.42	53	41336	99.742	ug/l	96
16) Acetone	4.16	43	35743	95.829	ug/l	96
17) Carbon Disulfide	4.40	76	112938	18.203	ug/l	97
18) Methyl Acetate	4.71	43	22064	23.289	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	94321	21.089	ug/l	98
20) Methylene Chloride	4.97	84	61610	26.577	ug/l	95
21) trans-1,2-Dichloroethene	5.46	96	44361	19.789	ug/l	90
22) Diisopropyl ether	6.36	45	113914	19.486	ug/l	91
23) Vinyl Acetate	6.30	43	320072	93.456	ug/l #	94
24) 1,1-Dichloroethane	6.26	63	75388	20.838	ug/l	98
25) 2-Butanone	7.21	43	55266	100.741	ug/l	92
26) 2,2-Dichloropropane	7.20	77	61595	18.996	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	50672	21.551	ug/l	97
28) Bromochloromethane	7.54	49	28981	22.807	ug/l	92
29) Tetrahydrofuran	7.56	42	33881	99.682	ug/l	96
30) Chloroform	7.70	83	81690	21.504	ug/l	97
31) Cyclohexane	7.97	56	60578	17.590	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	76483	21.473	ug/l	99
36) 1,1-Dichloropropene	8.11	75	58776	19.122	ug/l	100
37) Ethyl Acetate	7.28	43	25036	20.558	ug/l #	93
38) Carbon Tetrachloride	8.09	117	72643	21.193	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	67642	18.205	ug/l	95
40) Benzene	8.34	78	166889	19.572	ug/l	93
41) Methacrylonitrile	7.53	41	14349	20.039	ug/l #	88
42) 1,2-Dichloroethane	8.41	62	55659	22.220	ug/l	100
43) Isopropyl Acetate	8.45	43	46604	19.422	ug/l	97
44) Trichloroethene	9.11	130	52710	20.514	ug/l	100
45) 1,2-Dichloropropane	9.38	63	40873	19.599	ug/l	94
46) Dibromomethane	9.47	93	24309	21.162	ug/l	98
47) Bromodichloromethane	9.66	83	64296	21.178	ug/l	92
48) Methyl methacrylate	9.45	41	22934	18.718	ug/l #	87
49) 1,4-Dioxane	9.46	88	5700	386.232	ug/l #	84
51) 4-Methyl-2-Pentanone	10.23	43	120539	97.797	ug/l	99
52) Toluene	10.40	92	114209	20.355	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	58298	20.234	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	67073	19.869	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	33982	20.544	ug/l	97
56) Ethyl methacrylate	10.66	69	40402	20.333	ug/l	96
57) 1,3-Dichloropropane	10.94	76	57270	20.856	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	97263	108.821	ug/l	99
59) 2-Hexanone	10.98	43	82212	95.041	ug/l	96
60) Dibromochloromethane	11.14	129	47839	20.949	ug/l	96
61) 1,2-Dibromoethane	11.24	107	32706	20.560	ug/l	96
64) Tetrachloroethene	10.87	164	47208	19.826	ug/l	93
65) Chlorobenzene	11.67	112	126179	20.045	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	50052	20.322	ug/l	98
67) Ethyl Benzene	11.74	91	219354	20.109	ug/l	97
68) m/p-Xylenes	11.85	106	167043	39.524	ug/l	95
69) o-Xylene	12.18	106	76511	19.901	ug/l	99
70) Styrene	12.19	104	137044	20.340	ug/l	98
71) Bromoform	12.36	173	29629	20.304	ug/l #	99
73) Isopropylbenzene	12.48	105	209153	19.252	ug/l	99
74) N-amyl acetate	12.29	43	42057	17.580	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	38210	20.627	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	22823m	16.816	ug/l	
77) Bromobenzene	12.76	156	56500	20.203	ug/l	97
78) n-propylbenzene	12.82	91	242943	19.238	ug/l	100
79) 2-Chlorotoluene	12.91	91	142640	19.749	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	178513	19.648	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	11123	18.117	ug/l	98
82) 4-Chlorotoluene	13.00	91	152580	20.012	ug/l	100
83) tert-Butylbenzene	13.23	119	155351	19.443	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	180470	19.848	ug/l	100
85) sec-Butylbenzene	13.40	105	208563	19.333	ug/l	100
86) p-Isopropyltoluene	13.52	119	193949	19.169	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	101936	19.394	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	104672	19.969	ug/l	98
89) n-Butylbenzene	13.84	91	169327	18.679	ug/l	99
90) Hexachloroethane	14.11	117	40130	19.887	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	91204	19.621	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7048	22.137	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	63562	18.555	ug/l	99
94) Hexachlorobutadiene	15.27	225	37071	18.378	ug/l	99
95) Naphthalene	15.41	128	106910	19.154	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	56584	18.712	ug/l	98

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

