

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101920\
 Data File : VD067306.D
 Acq On : 19 Oct 2020 13:56
 Operator : VA/SY
 Sample : VD1019SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1019SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/20/2020 4:51:03 PM

Quant Time: Oct 20 01:24:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	306462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	457645	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	434208	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	218793	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	160128	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	
35) Dibromofluoromethane	7.92	113	157468	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	
50) Toluene-d8	10.34	98	572187	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	
62) 4-Bromofluorobenzene	12.64	95	208161	54.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	53503	19.042	ug/l	92
3) Chloromethane	2.21	50	38046	19.726	ug/l	96
4) Vinyl Chloride	2.34	62	41219	19.478	ug/l	95
5) Bromomethane	2.76	94	30784	19.470	ug/l	92
6) Chloroethane	2.92	64	26096	19.801	ug/l	100
7) Trichlorofluoromethane	3.27	101	110721	20.778	ug/l	96
8) Diethyl Ether	3.71	74	25370	20.806	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	59476	21.008	ug/l	99
10) Methyl Iodide	4.30	142	52262	20.011	ug/l	98
11) Tert butyl alcohol	5.23	59	22990	120.383	ug/l #	96
12) 1,1-Dichloroethene	4.06	96	51777	20.471	ug/l	91
13) Acrolein	3.93	56	11874	80.766	ug/l	94
14) Allyl chloride	4.71	41	56039	19.347	ug/l	96
15) Acrylonitrile	5.42	53	42730	105.021	ug/l	98
16) Acetone	4.16	43	46235	107.525	ug/l	94
17) Carbon Disulfide	4.41	76	142523	19.766	ug/l	100
18) Methyl Acetate	4.71	43	20129	20.524	ug/l	94
19) Methyl tert-butyl Ether	5.48	73	104767	20.832	ug/l	96
20) Methylene Chloride	4.96	84	60419	19.168	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	59622	20.484	ug/l	99
22) Diisopropyl ether	6.36	45	117523	22.211	ug/l	97
23) Vinyl Acetate	6.30	43	318959	105.956	ug/l	99
24) 1,1-Dichloroethane	6.26	63	96358	21.274	ug/l	98
25) 2-Butanone	7.21	43	50644	103.323	ug/l #	81
26) 2,2-Dichloropropane	7.21	77	97339	20.850	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	65409	20.504	ug/l	97
28) Bromochloromethane	7.55	49	31168	20.175	ug/l #	98
29) Tetrahydrofuran	7.56	42	30134	110.598	ug/l	97
30) Chloroform	7.71	83	112331	20.761	ug/l	93
31) Cyclohexane	7.99	56	69975	19.788	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	109050	20.541	ug/l	98
36) 1,1-Dichloropropene	8.11	75	81128	20.915	ug/l	100
37) Ethyl Acetate	7.30	43	23842	20.892	ug/l #	97
38) Carbon Tetrachloride	8.10	117	103974	20.973	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	83212	20.521	ug/l	92
40) Benzene	8.35	78	224898	21.135	ug/l	98
41) Methacrylonitrile	7.53	41	13532	21.943	ug/l #	79
42) 1,2-Dichloroethane	8.43	62	71053	21.336	ug/l	99
43) Isopropyl Acetate	8.46	43	47210	20.848	ug/l	97
44) Trichloroethene	9.12	130	70131	20.584	ug/l	86
45) 1,2-Dichloropropane	9.39	63	51030	20.692	ug/l	92
46) Dibromomethane	9.48	93	31635	20.588	ug/l	95
47) Bromodichloromethane	9.67	83	86697	21.059	ug/l	94
48) Methyl methacrylate	9.46	41	24342	22.120	ug/l	94
49) 1,4-Dioxane	9.46	88	6602	426.575	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	122191	108.186	ug/l	98
52) Toluene	10.41	92	153944	21.240	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	77123	21.326	ug/l	93
54) cis-1,3-Dichloropropene	10.09	75	85088	20.104	ug/l	92
55) 1,1,2-Trichloroethane	10.80	97	44938	21.447	ug/l	96
56) Ethyl methacrylate	10.66	69	47142	21.694	ug/l	96
57) 1,3-Dichloropropane	10.95	76	73025	21.900	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	118121	105.959	ug/l	99
59) 2-Hexanone	10.99	43	85984	111.408	ug/l	99
60) Dibromochloromethane	11.14	129	64965	21.260	ug/l	97
61) 1,2-Dibromoethane	11.25	107	46015	22.276	ug/l	98
64) Tetrachloroethene	10.88	164	64122	20.382	ug/l	95
65) Chlorobenzene	11.67	112	171976	20.654	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	67099	20.276	ug/l	96
67) Ethyl Benzene	11.75	91	289485	20.282	ug/l	99
68) m/p-Xylenes	11.86	106	234069	42.586	ug/l	97
69) o-Xylene	12.18	106	105532	20.735	ug/l	92
70) Styrene	12.20	104	181952	20.767	ug/l	98
71) Bromoform	12.37	173	36191	20.357	ug/l #	96
73) Isopropylbenzene	12.48	105	299330	21.556	ug/l	99
74) N-amyl acetate	12.30	43	45805	21.841	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	47199	22.183	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	34313m	22.627	ug/l	
77) Bromobenzene	12.77	156	73089	21.112	ug/l	97
78) n-propylbenzene	12.83	91	343558	21.354	ug/l	99
79) 2-Chlorotoluene	12.91	91	194060	20.799	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	257662	21.353	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	14794	22.123	ug/l	92
82) 4-Chlorotoluene	13.01	91	213734	21.584	ug/l	99
83) tert-Butylbenzene	13.23	119	217391	21.327	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	255212	21.399	ug/l	99
85) sec-Butylbenzene	13.41	105	295749	21.145	ug/l	100
86) p-Isopropyltoluene	13.52	119	282456	21.396	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	143806	21.581	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	143119	21.679	ug/l	99
89) n-Butylbenzene	13.85	91	243442	20.961	ug/l	99
90) Hexachloroethane	14.12	117	48972	21.258	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	123760	21.261	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8637	22.345	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	83178	21.193	ug/l	99
94) Hexachlorobutadiene	15.28	225	49783	20.426	ug/l	97
95) Naphthalene	15.41	128	133996	20.795	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	73116	21.564	ug/l	97

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

