

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD083120\
 Data File : VD066477.D
 Acq On : 31 Aug 2020 12:14
 Operator : VA/SY
 Sample : VD0831SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/1/2020 12:38:52 PM

Quant Time: Sep 01 01:19:17 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	7.98	168	157343	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	214075	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	195104	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	107086	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	87578	56.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.54%	
35) Dibromofluoromethane	7.91	113	67764	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	
50) Toluene-d8	10.34	98	249171	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
62) 4-Bromofluorobenzene	12.63	95	91752	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	27393	20.478	ug/l	94
3) Chloromethane	2.21	50	16598	17.505	ug/l	91
4) Vinyl Chloride	2.35	62	19028	18.691	ug/l	99
5) Bromomethane	2.76	94	16154	21.215	ug/l	96
6) Chloroethane	2.92	64	13419	20.585	ug/l	97
7) Trichlorofluoromethane	3.27	101	61741	22.303	ug/l	93
8) Diethyl Ether	3.70	74	11444	18.451	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.10	101	24501	17.934	ug/l	95
10) Methyl Iodide	4.31	142	24620	15.801	ug/l	92
11) Tert butyl alcohol	5.21	59	13391	130.442	ug/l #	80
12) 1,1-Dichloroethene	4.07	96	23254	18.133	ug/l	98
13) Acrolein	3.93	56	3652	53.314	ug/l	97
14) Allyl chloride	4.71	41	27957	16.333	ug/l	85
15) Acrylonitrile	5.43	53	20677	83.087	ug/l #	64
16) Acetone	4.16	43	25854	92.965	ug/l	94
17) Carbon Disulfide	4.41	76	64022	16.473	ug/l #	95
18) Methyl Acetate	4.71	43	8549	16.379	ug/l #	88
19) Methyl tert-butyl Ether	5.48	73	63710	20.632	ug/l	96
20) Methylene Chloride	4.97	84	27161	13.676	ug/l #	95
21) trans-1,2-Dichloroethene	5.47	96	27422	18.370	ug/l	88
22) Diisopropyl ether	6.36	45	54219	16.361	ug/l #	93
23) Vinyl Acetate	6.30	43	170407	83.061	ug/l	100
24) 1,1-Dichloroethane	6.27	63	41156	17.573	ug/l	98
25) 2-Butanone	7.21	43	25977	82.280	ug/l	94
26) 2,2-Dichloropropane	7.21	77	53959	21.497	ug/l	93
27) cis-1,2-Dichloroethene	7.21	96	30896	19.316	ug/l	95
28) Bromochloromethane	7.54	49	12365	15.328	ug/l	93
29) Tetrahydrofuran	7.57	42	13717	76.493	ug/l #	83
30) Chloroform	7.71	83	53927	19.902	ug/l	98
31) Cyclohexane	7.98	56	34767	16.232	ug/l #	86
32) 1,1,1-Trichloroethane	7.90	97	58748	21.184	ug/l	100
36) 1,1-Dichloropropene	8.11	75	38286	19.601	ug/l	99
37) Ethyl Acetate	7.30	43	10490	15.790	ug/l #	84
38) Carbon Tetrachloride	8.09	117	57449	22.575	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	42340	18.401	ug/l	96
40) Benzene	8.34	78	98438	19.157	ug/l	98
41) Methacrylonitrile	7.54	41	10065m	24.567	ug/l	
42) 1,2-Dichloroethane	8.42	62	42105	23.265	ug/l	97
43) Isopropyl Acetate	8.44	43	24924	18.692	ug/l	98
44) Trichloroethene	9.10	130	32715	19.593	ug/l	81
45) 1,2-Dichloropropane	9.38	63	19108	16.403	ug/l	98
46) Dibromomethane	9.47	93	13758	18.968	ug/l	96
47) Bromodichloromethane	9.66	83	43330	21.723	ug/l	90
48) Methyl methacrylate	9.45	41	11772	17.120	ug/l	92
49) 1,4-Dioxane	9.46	88	2956	350.986	ug/l #	93
51) 4-Methyl-2-Pentanone	10.23	43	56802	88.056	ug/l	99
52) Toluene	10.40	92	68908	19.794	ug/l	96
53) t-1,3-Dichloropropene	10.61	75	40379	21.334	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	40863	19.235	ug/l	92
55) 1,1,2-Trichloroethane	10.79	97	18300	18.637	ug/l #	84
56) Ethyl methacrylate	10.66	69	20647	18.164	ug/l #	87
57) 1,3-Dichloropropane	10.94	76	31282	19.260	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	44653	94.586	ug/l	93
59) 2-Hexanone	10.98	43	40280	88.526	ug/l	95
60) Dibromochloromethane	11.14	129	30403	20.542	ug/l	99
61) 1,2-Dibromoethane	11.25	107	18579	19.227	ug/l	94
64) Tetrachloroethene	10.87	164	31008	20.951	ug/l	99
65) Chlorobenzene	11.67	112	78559	20.239	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	33458	21.092	ug/l	95
67) Ethyl Benzene	11.74	91	137046	20.058	ug/l	94
68) m/p-Xylenes	11.85	106	108899	41.815	ug/l	97
69) o-Xylene	12.18	106	50179	20.712	ug/l	98
70) Styrene	12.20	104	85447	20.540	ug/l	97
71) Bromoform	12.36	173	17962	19.958	ug/l #	98
73) Isopropylbenzene	12.48	105	142034	19.799	ug/l	100
74) N-amyl acetate	12.29	43	22183	17.121	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	17653	17.226	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	16375m	21.736	ug/l	
77) Bromobenzene	12.76	156	36350	19.964	ug/l	94
78) n-propylbenzene	12.82	91	156865	19.071	ug/l	98
79) 2-Chlorotoluene	12.91	91	87095	18.540	ug/l	96
80) 1,3,5-Trimethylbenzene	12.96	105	126953	20.497	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	6541	18.430	ug/l	88
82) 4-Chlorotoluene	13.01	91	96029	19.294	ug/l	97
83) tert-Butylbenzene	13.23	119	107418	19.967	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	122602	20.153	ug/l	100
85) sec-Butylbenzene	13.40	105	136631	19.384	ug/l	99
86) p-Isopropyltoluene	13.52	119	138201	20.334	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	69926	20.574	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	66972	19.625	ug/l	97
89) n-Butylbenzene	13.84	91	117005	19.508	ug/l	99
90) Hexachloroethane	14.11	117	24985	18.609	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	59704	20.406	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	4308	20.044	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	47549	20.817	ug/l	95
94) Hexachlorobutadiene	15.27	225	30756	21.667	ug/l	92
95) Naphthalene	15.41	128	70341	19.607	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	39099	19.982	ug/l	97

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

