

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD083120\
 Data File : VD066479.D
 Acq On : 31 Aug 2020 13:18
 Operator : VA/SY
 Sample : VD0831SBS01
 Misc : 6.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/1/2020 12:38:55 PM

Quant Time: Sep 01 02:37:38 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	140667	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	184391	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	177220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	97617	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	81624	59.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.38%	
35) Dibromofluoromethane	7.91	113	62157	53.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.82%	
50) Toluene-d8	10.34	98	225291	53.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.80%	
62) 4-Bromofluorobenzene	12.63	95	83032	55.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	24007	20.075	ug/l	96
3) Chloromethane	2.21	50	14655	17.288	ug/l	90
4) Vinyl Chloride	2.34	62	17092	18.780	ug/l #	81
5) Bromomethane	2.76	94	14311	21.022	ug/l	89
6) Chloroethane	2.92	64	11293	19.378	ug/l	89
7) Trichlorofluoromethane	3.27	101	52408	21.176	ug/l	100
8) Diethyl Ether	3.71	74	10945	19.738	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	4.09	101	22317	18.272	ug/l	91
10) Methyl Iodide	4.30	142	22810	16.374	ug/l	95
11) Tert butyl alcohol	5.20	59	10651	110.176	ug/l #	80
12) 1,1-Dichloroethene	4.06	96	19968	17.417	ug/l	95
13) Acrolein	3.93	56	3287	53.674	ug/l #	82
14) Allyl chloride	4.71	41	22345	14.602	ug/l #	75
15) Acrylonitrile	5.43	53	19837	89.162	ug/l	99
16) Acetone	4.15	43	25562	102.812	ug/l #	88
17) Carbon Disulfide	4.40	76	54085	15.566	ug/l	98
18) Methyl Acetate	4.72	43	8273	17.729	ug/l	93
19) Methyl tert-butyl Ether	5.47	73	57169	20.709	ug/l #	89
20) Methylene Chloride	4.97	84	25627	14.835	ug/l #	87
21) trans-1,2-Dichloroethene	5.47	96	23413	17.544	ug/l	97
22) Diisopropyl ether	6.36	45	48049	16.218	ug/l #	96
23) Vinyl Acetate	6.30	43	162879	88.804	ug/l	96
24) 1,1-Dichloroethane	6.26	63	37868	18.086	ug/l	99
25) 2-Butanone	7.21	43	25615	90.751	ug/l	94
26) 2,2-Dichloropropane	7.20	77	46900	20.900	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	27658	19.341	ug/l	98
28) Bromochloromethane	7.54	49	10954	15.189	ug/l #	75
29) Tetrahydrofuran	7.56	42	13001	81.095	ug/l	88
30) Chloroform	7.71	83	49718	20.524	ug/l	94
31) Cyclohexane	7.97	56	29710	15.515	ug/l #	90
32) 1,1,1-Trichloroethane	7.90	97	54233	21.875	ug/l	99
36) 1,1-Dichloropropene	8.11	75	32263	19.176	ug/l	98
37) Ethyl Acetate	7.29	43	10796	18.867	ug/l #	90
38) Carbon Tetrachloride	8.09	117	49623	22.639	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	36359	18.346	ug/l	94
40) Benzene	8.35	78	85543	19.327	ug/l	94
41) Methacrylonitrile	7.52	41	6349m	17.992	ug/l	
42) 1,2-Dichloroethane	8.42	62	38210	24.512	ug/l	98
43) Isopropyl Acetate	8.45	43	22184	19.315	ug/l	98
44) Trichloroethene	9.11	130	28549	19.851	ug/l	97
45) 1,2-Dichloropropane	9.38	63	17178	17.120	ug/l	98
46) Dibromomethane	9.47	93	12962	20.748	ug/l	95
47) Bromodichloromethane	9.66	83	38271	22.276	ug/l	98
48) Methyl methacrylate	9.45	41	11996	20.254	ug/l #	84
49) 1,4-Dioxane	9.45	88	3017	415.898	ug/l	90
51) 4-Methyl-2-Pentanone	10.23	43	53889	96.989	ug/l	100
52) Toluene	10.40	92	61577	20.535	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	34020	20.868	ug/l	91
54) cis-1,3-Dichloropropene	10.08	75	35458	19.377	ug/l #	88
55) 1,1,2-Trichloroethane	10.80	97	17382	20.552	ug/l #	88
56) Ethyl methacrylate	10.66	69	19789	20.212	ug/l #	88
57) 1,3-Dichloropropane	10.94	76	27659	19.771	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	41852	102.924	ug/l	94
59) 2-Hexanone	10.98	43	39249	100.147	ug/l	94
60) Dibromochloromethane	11.14	129	27576	21.631	ug/l	99
61) 1,2-Dibromoethane	11.25	107	16128	19.377	ug/l	96
64) Tetrachloroethene	10.87	164	26171	19.467	ug/l	95
65) Chlorobenzene	11.67	112	70650	20.038	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	29880	20.737	ug/l	96
67) Ethyl Benzene	11.74	91	122932	19.808	ug/l	97
68) m/p-Xylenes	11.86	106	95432	40.342	ug/l	94
69) o-Xylene	12.18	106	43425	19.733	ug/l	98
70) Styrene	12.20	104	78131	20.677	ug/l	98
71) Bromoform	12.36	173	18708	22.885	ug/l #	94
73) Isopropylbenzene	12.48	105	126884	19.403	ug/l	99
74) N-amyl acetate	12.29	43	20462	17.325	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	16272	17.419	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	12368m	18.010	ug/l	
77) Bromobenzene	12.76	156	31501	18.979	ug/l	95
78) n-propylbenzene	12.82	91	137962	18.400	ug/l	94
79) 2-Chlorotoluene	12.91	91	82592	19.286	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	112679	19.957	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	6297	19.464	ug/l	90
82) 4-Chlorotoluene	13.01	91	87625	19.313	ug/l	95
83) tert-Butylbenzene	13.23	119	94674	19.305	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	111433	20.094	ug/l	99
85) sec-Butylbenzene	13.40	105	124939	19.444	ug/l	99
86) p-Isopropyltoluene	13.52	119	124500	20.095	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	63352	20.448	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	61710	19.837	ug/l	99
89) n-Butylbenzene	13.85	91	105011	19.207	ug/l	97
90) Hexachloroethane	14.11	117	21876	17.874	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	53794	20.169	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	4058	20.712	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	42484	20.403	ug/l	98
94) Hexachlorobutadiene	15.27	225	27026	20.886	ug/l	97
95) Naphthalene	15.41	128	67239	20.560	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	36925	20.701	ug/l	98

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

