

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010220\
 Data File : VD064710.D
 Acq On : 02 Jan 2020 11:42
 Operator : VA/SY
 Sample : VD0102SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0102SBS01

Manual Integrations
 APPROVED

apatel
 1/3/2020 11:10:16 AM

Quant Time: Jan 03 00:33:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	426754	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	611428	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	540390	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	265492	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	204386	54.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.62%	
35) Dibromofluoromethane	7.91	113	208014	55.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.90%	
50) Toluene-d8	10.34	98	792102	55.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.26%	
62) 4-Bromofluorobenzene	12.64	95	253089	55.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.42%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.99	85	71832	21.659	ug/l	98
3) Chloromethane	2.21	50	103608	22.337	ug/l	99
4) Vinyl Chloride	2.35	62	123784	21.888	ug/l	98
5) Bromomethane	2.76	94	90052	21.900	ug/l	88
6) Chloroethane	2.92	64	82052	21.653	ug/l	97
7) Trichlorofluoromethane	3.27	101	212618	22.328	ug/l	96
8) Diethyl Ether	3.71	74	40903	21.631	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	88684	22.488	ug/l	99
10) Methyl Iodide	4.29	142	90519	21.369	ug/l	98
11) Tert butyl alcohol	5.24	59	20909	96.952	ug/l	96
12) 1,1-Dichloroethene	4.06	96	84755	22.574	ug/l	99
13) Acrolein	3.92	56	26754	89.014	ug/l	97
14) Allyl chloride	4.71	41	131126	22.400	ug/l	98
15) Acrylonitrile	5.43	53	82342	104.543	ug/l	98
16) Acetone	4.16	43	83893	101.207	ug/l	95
17) Carbon Disulfide	4.40	76	260987	21.498	ug/l	97
18) Methyl Acetate	4.72	43	43596	20.578	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	172227	20.652	ug/l	99
20) Methylene Chloride	4.96	84	95574	22.107	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	92571	21.650	ug/l	99
22) Diisopropyl ether	6.37	45	257015	22.013	ug/l	99
23) Vinyl Acetate	6.31	43	704419	106.355	ug/l	100
24) 1,1-Dichloroethane	6.26	63	158035	22.546	ug/l	98
25) 2-Butanone	7.22	43	108086	104.494	ug/l	98
26) 2,2-Dichloropropane	7.20	77	145986	22.401	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	102395	22.189	ug/l	98
28) Bromochloromethane	7.55	49	50011	18.354	ug/l	97
29) Tetrahydrofuran	7.57	42	65260	101.453	ug/l	99
30) Chloroform	7.71	83	164480	22.366	ug/l	99
31) Cyclohexane	7.98	56	152912	21.794	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	156895	22.714	ug/l	98
36) 1,1-Dichloropropene	8.11	75	130629	22.197	ug/l	97
37) Ethyl Acetate	7.29	43	48811	21.113	ug/l	97
38) Carbon Tetrachloride	8.09	117	142406	22.694	ug/l	99

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Quant Time: Jan 03 00:33:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	163340	22.916	ug/l	99
40) Benzene	8.35	78	353628	22.012	ug/l	96
41) Methacrylonitrile	7.53	41	30817	22.974	ug/l	98
42) 1,2-Dichloroethane	8.43	62	101354	21.832	ug/l	100
43) Isopropyl Acetate	8.46	43	93484	20.315	ug/l	97
44) Trichloroethene	9.11	130	105043	22.257	ug/l	97
45) 1,2-Dichloropropane	9.38	63	85461	22.280	ug/l	97
46) Dibromomethane	9.47	93	46755	21.862	ug/l	98
47) Bromodichloromethane	9.66	83	125377	22.032	ug/l	94
48) Methyl methacrylate	9.46	41	44224	20.410	ug/l	87
49) 1,4-Dioxane	9.46	88	10204	413.796	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	232326	102.143	ug/l	100
52) Toluene	10.40	92	237081	22.493	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	114959	21.668	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	141038	22.544	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	61791	21.439	ug/l	91
56) Ethyl methacrylate	10.66	69	75509	20.978	ug/l	99
57) 1,3-Dichloropropane	10.94	76	107177	21.598	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	149963	109.355	ug/l	98
59) 2-Hexanone	10.99	43	162987	105.578	ug/l	99
60) Dibromochloromethane	11.14	129	85873	21.546	ug/l	98
61) 1,2-Dibromoethane	11.25	107	61702	21.706	ug/l	97
64) Tetrachloroethene	10.88	164	91932	22.175	ug/l	98
65) Chlorobenzene	11.67	112	249652	22.259	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	90965	21.514	ug/l	96
67) Ethyl Benzene	11.75	91	449677	22.089	ug/l	99
68) m/p-Xylenes	11.86	106	342302	43.564	ug/l	98
69) o-Xylene	12.18	106	156785	22.091	ug/l	98
70) Styrene	12.20	104	270070	21.679	ug/l	98
71) Bromoform	12.37	173	52144	21.626	ug/l #	96
73) Isopropylbenzene	12.48	105	432522	22.797	ug/l	100
74) N-amyl acetate	12.29	43	85398	21.056	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	64538	21.654	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	39013m	18.609	ug/l	
77) Bromobenzene	12.77	156	100981	21.661	ug/l	98
78) n-propylbenzene	12.83	91	504614	22.798	ug/l	100
79) 2-Chlorotoluene	12.91	91	270223	22.224	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	355889	22.835	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	21614	21.562	ug/l	100
82) 4-Chlorotoluene	13.01	91	287786	22.241	ug/l	98
83) tert-Butylbenzene	13.23	119	303362	22.418	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	351407	22.640	ug/l	97
85) sec-Butylbenzene	13.41	105	418620	22.566	ug/l	98
86) p-Isopropyltoluene	13.52	119	396985	22.380	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	194455	21.881	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	193387	22.151	ug/l	98
89) n-Butylbenzene	13.85	91	364749	22.834	ug/l	99
90) Hexachloroethane	14.12	117	74827	22.083	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	165548	21.846	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10331	21.382	ug/l	91

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QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	121851	21.838	ug/l	99
94) Hexachlorobutadiene	15.28	225	76476	21.781	ug/l	97
95) Naphthalene	15.41	128	188314	21.333	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	100282	21.052	ug/l	99

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

