

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022020\
 Data File : VD065249.D
 Acq On : 20 Feb 2020 11:41
 Operator : VA/SY
 Sample : VD0220SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0220SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 3:22:52 PM

Quant Time: Feb 21 04:25:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	484235	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	722439	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	639876	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	312269	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	213990	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
35) Dibromofluoromethane	7.92	113	223832	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
50) Toluene-d8	10.34	98	893049	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	
62) 4-Bromofluorobenzene	12.64	95	277610	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	75319	18.545	ug/l	99
3) Chloromethane	2.21	50	102571	19.841	ug/l	99
4) Vinyl Chloride	2.35	62	101716	19.350	ug/l	97
5) Bromomethane	2.77	94	64222	20.206	ug/l	99
6) Chloroethane	2.93	64	64063	19.965	ug/l	95
7) Trichlorofluoromethane	3.27	101	148900	19.785	ug/l	99
8) Diethyl Ether	3.70	74	41491	18.264	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	97671	20.551	ug/l	99
10) Methyl Iodide	4.30	142	95681	19.390	ug/l	99
11) Tert butyl alcohol	5.24	59	21501	82.597	ug/l #	91
12) 1,1-Dichloroethene	4.06	96	91496	20.380	ug/l	97
13) Acrolein	3.93	56	40402	110.369	ug/l	98
14) Allyl chloride	4.71	41	143721	19.713	ug/l	97
15) Acrylonitrile	5.44	53	91570	91.044	ug/l	98
16) Acetone	4.16	43	86260	81.005	ug/l	99
17) Carbon Disulfide	4.40	76	298807	19.852	ug/l	100
18) Methyl Acetate	4.72	43	44145	18.432	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	167696	17.912	ug/l	96
20) Methylene Chloride	4.97	84	108508	20.136	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	101785	19.943	ug/l	98
22) Diisopropyl ether	6.37	45	274960	19.563	ug/l	98
23) Vinyl Acetate	6.31	43	684234	88.307	ug/l	97
24) 1,1-Dichloroethane	6.26	63	172402	19.776	ug/l	97
25) 2-Butanone	7.23	43	111996	83.126	ug/l	95
26) 2,2-Dichloropropane	7.21	77	150971	19.960	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	106242	19.652	ug/l	98
28) Bromochloromethane	7.56	49	57632	17.819	ug/l	99
29) Tetrahydrofuran	7.57	42	68497	86.770	ug/l	99
30) Chloroform	7.71	83	176091	20.050	ug/l	97
31) Cyclohexane	7.98	56	167633	19.571	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	157140	19.997	ug/l	100
36) 1,1-Dichloropropene	8.11	75	142521	20.275	ug/l	99
37) Ethyl Acetate	7.30	43	51638	17.572	ug/l	98
38) Carbon Tetrachloride	8.10	117	144640	20.213	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	168668	20.410	ug/l	97
40) Benzene	8.36	78	400945	20.208	ug/l	97
41) Methacrylonitrile	7.54	41	28339	16.702	ug/l #	93
42) 1,2-Dichloroethane	8.43	62	102793	18.845	ug/l	100
43) Isopropyl Acetate	8.46	43	92807	17.367	ug/l	96
44) Trichloroethene	9.11	130	114045	20.736	ug/l	98
45) 1,2-Dichloropropane	9.39	63	95900	19.438	ug/l	100
46) Dibromomethane	9.48	93	48570	19.134	ug/l	99
47) Bromodichloromethane	9.67	83	130547	19.515	ug/l	94
48) Methyl methacrylate	9.46	41	49066	19.864	ug/l	95
49) 1,4-Dioxane	9.47	88	10448	350.930	ug/l	94
51) 4-Methyl-2-Pentanone	10.24	43	239230	88.141	ug/l	100
52) Toluene	10.41	92	253907	20.674	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	117485	18.947	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	143915	19.220	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	67441	18.876	ug/l	100
56) Ethyl methacrylate	10.67	69	72964	17.693	ug/l	98
57) 1,3-Dichloropropane	10.95	76	116689	19.189	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.95	63	116166	89.348	ug/l	99
59) 2-Hexanone	10.99	43	165936	85.406	ug/l	98
60) Dibromochloromethane	11.14	129	87620	19.160	ug/l	98
61) 1,2-Dibromoethane	11.25	107	63022	18.630	ug/l	99
64) Tetrachloroethene	10.88	164	98546	21.715	ug/l	98
65) Chlorobenzene	11.68	112	263601	20.529	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	96572	20.154	ug/l	99
67) Ethyl Benzene	11.75	91	464816	20.668	ug/l	98
68) m/p-Xylenes	11.86	106	363909	42.295	ug/l	99
69) o-Xylene	12.19	106	155886	20.450	ug/l	99
70) Styrene	12.20	104	276283	20.414	ug/l	99
71) Bromoform	12.37	173	48992	18.425	ug/l #	98
73) Isopropylbenzene	12.48	105	435854	21.083	ug/l	100
74) N-amyl acetate	12.30	43	81365	17.712	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	69292	18.571	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	40034m	15.068	ug/l	
77) Bromobenzene	12.77	156	105156	20.484	ug/l	99
78) n-propylbenzene	12.83	91	534644	21.520	ug/l	100
79) 2-Chlorotoluene	12.91	91	289224	20.781	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	365062	21.440	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	21508	17.479	ug/l	99
82) 4-Chlorotoluene	13.01	91	314644	21.295	ug/l	100
83) tert-Butylbenzene	13.23	119	293002	20.531	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	367023	21.535	ug/l	99
85) sec-Butylbenzene	13.41	105	435497	21.178	ug/l	99
86) p-Isopropyltoluene	13.53	119	402994	21.429	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	199299	20.082	ug/l	96
88) 1,4-Dichlorobenzene	13.60	146	197039	20.116	ug/l	98
89) n-Butylbenzene	13.86	91	364503	21.034	ug/l	98
90) Hexachloroethane	14.12	117	77510	20.299	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	173414	20.350	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9523	16.562	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	114027	20.457	ug/l	100
94) Hexachlorobutadiene	15.28	225	76026	21.262	ug/l	100
95) Naphthalene	15.41	128	166639	18.390	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	97657	20.060	ug/l	98

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

