

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020620\
 Data File : VD065080.D
 Acq On : 06 Feb 2020 12:05
 Operator : VA/SY
 Sample : VD0206SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0206SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/7/2020 12:05:33 PM

Quant Time: Feb 07 06:20:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	472345	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	703728	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	626855	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	300836	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	215872	53.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.54%	
35) Dibromofluoromethane	7.92	113	210944	53.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.44%	
50) Toluene-d8	10.34	98	841331	53.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.66%	
62) 4-Bromofluorobenzene	12.64	95	254319	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	80261	20.419	ug/l	95
3) Chloromethane	2.21	50	101253	21.883	ug/l	96
4) Vinyl Chloride	2.35	62	105956	21.653	ug/l	99
5) Bromomethane	2.76	94	70265	22.145	ug/l	96
6) Chloroethane	2.92	64	67028	22.082	ug/l	98
7) Trichlorofluoromethane	3.27	101	159597	22.411	ug/l	99
8) Diethyl Ether	3.70	74	40143	19.636	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	88669	20.367	ug/l	99
10) Methyl Iodide	4.29	142	85955	17.298	ug/l	97
11) Tert butyl alcohol	5.24	59	22131	90.226	ug/l #	92
12) 1,1-Dichloroethene	4.06	96	81802	19.619	ug/l	98
13) Acrolein	3.92	56	27841	92.283	ug/l	96
14) Allyl chloride	4.71	41	134725	19.442	ug/l	96
15) Acrylonitrile	5.43	53	80897	90.510	ug/l	98
16) Acetone	4.16	43	83809	83.500	ug/l	94
17) Carbon Disulfide	4.40	76	275370	20.570	ug/l	98
18) Methyl Acetate	4.73	43	40042	19.095	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	166610	18.070	ug/l	93
20) Methylene Chloride	4.96	84	100513	20.411	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	93318	19.782	ug/l	96
22) Diisopropyl ether	6.37	45	265320	20.299	ug/l	95
23) Vinyl Acetate	6.31	43	681775	93.580	ug/l	97
24) 1,1-Dichloroethane	6.26	63	163375	20.650	ug/l	99
25) 2-Butanone	7.22	43	102835	85.891	ug/l	96
26) 2,2-Dichloropropane	7.21	77	148045	20.877	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	99498	19.854	ug/l	99
28) Bromochloromethane	7.56	49	57930	19.316	ug/l	97
29) Tetrahydrofuran	7.57	42	64810	89.513	ug/l	99
30) Chloroform	7.71	83	162466	20.624	ug/l	91
31) Cyclohexane	7.98	56	156187	19.557	ug/l	94
32) 1,1,1-Trichloroethane	7.91	97	150572	20.519	ug/l	98
36) 1,1-Dichloropropene	8.11	75	132751	20.287	ug/l	99
37) Ethyl Acetate	7.31	43	49217	18.411	ug/l	98
38) Carbon Tetrachloride	8.10	117	139884	20.931	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	154911	19.179	ug/l	98
40) Benzene	8.36	78	367886	20.359	ug/l	99
41) Methacrylonitrile	7.53	41	31199	21.184	ug/l #	83
42) 1,2-Dichloroethane	8.43	62	100393	19.498	ug/l	98
43) Isopropyl Acetate	8.46	43	92396	18.068	ug/l	100
44) Trichloroethene	9.11	130	103314	19.919	ug/l	99
45) 1,2-Dichloropropane	9.39	63	89000	20.543	ug/l	99
46) Dibromomethane	9.48	93	45861	20.144	ug/l	97
47) Bromodichloromethane	9.67	83	122823	20.475	ug/l	100
48) Methyl methacrylate	9.46	41	41861	17.011	ug/l	99
49) 1,4-Dioxane	9.47	88	9888	366.699	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	224366	89.136	ug/l	100
52) Toluene	10.41	92	235836	20.449	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	114047	19.527	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	138019	19.759	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	60835	19.481	ug/l	98
56) Ethyl methacrylate	10.67	69	70349	17.805	ug/l	97
57) 1,3-Dichloropropane	10.95	76	108022	19.672	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	112034	74.410	ug/l	99
59) 2-Hexanone	10.99	43	152161	85.343	ug/l	99
60) Dibromochloromethane	11.14	129	81964	20.265	ug/l	100
61) 1,2-Dibromoethane	11.25	107	58397	19.139	ug/l	99
64) Tetrachloroethene	10.88	164	88540	19.657	ug/l	98
65) Chlorobenzene	11.68	112	244722	20.184	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	89174	19.928	ug/l	99
67) Ethyl Benzene	11.75	91	439382	19.947	ug/l	98
68) m/p-Xylenes	11.86	106	336017	39.967	ug/l	99
69) o-Xylene	12.18	106	143709	18.982	ug/l	95
70) Styrene	12.20	104	259148	19.694	ug/l	99
71) Bromoform	12.37	173	45602	18.933	ug/l #	99
73) Isopropylbenzene	12.48	105	405170	19.622	ug/l	99
74) N-amyl acetate	12.30	43	79212	17.650	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	63189	19.445	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	33388m	14.659	ug/l	
77) Bromobenzene	12.77	156	99672	20.035	ug/l	97
78) n-propylbenzene	12.83	91	488711	20.211	ug/l	99
79) 2-Chlorotoluene	12.91	91	264626	19.633	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	331008	19.595	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	20538	18.034	ug/l	97
82) 4-Chlorotoluene	13.01	91	282620	19.965	ug/l	99
83) tert-Butylbenzene	13.23	119	278490	19.109	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	335992	20.035	ug/l	99
85) sec-Butylbenzene	13.41	105	394688	19.829	ug/l	100
86) p-Isopropyltoluene	13.53	119	365492	19.763	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	186631	20.037	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	182023	19.634	ug/l	99
89) n-Butylbenzene	13.86	91	333983	19.566	ug/l	100
90) Hexachloroethane	14.12	117	70586	20.156	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	154193	19.327	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9574	18.047	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	104654	18.353	ug/l	98
94) Hexachlorobutadiene	15.28	225	67111	19.141	ug/l	100
95) Naphthalene	15.41	128	154975	16.352	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	88511	18.147	ug/l	98

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

