

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070820\
 Data File : VD065937.D
 Acq On : 08 Jul 2020 13:35
 Operator : VA/SY
 Sample : VD0708SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 10:48:15 AM

Quant Time: Jul 09 01:31:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 09:45:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	407778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	610771	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	570427	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	285289	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	171098	47.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.70%	
35) Dibromofluoromethane	7.91	113	180940	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	
50) Toluene-d8	10.34	98	669596	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
62) 4-Bromofluorobenzene	12.64	95	236654	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	75332	20.780	ug/l	99
3) Chloromethane	2.21	50	71864	19.997	ug/l	100
4) Vinyl Chloride	2.35	62	63572	19.266	ug/l	99
5) Bromomethane	2.76	94	39998	19.136	ug/l	98
6) Chloroethane	2.92	64	38024	19.277	ug/l	92
7) Trichlorofluoromethane	3.27	101	142611	20.165	ug/l	99
8) Diethyl Ether	3.71	74	38469	19.828	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	82788	19.571	ug/l	98
10) Methyl Iodide	4.30	142	82140	20.022	ug/l	97
11) Tert butyl alcohol	5.22	59	25666m	98.933	ug/l	
12) 1,1-Dichloroethene	4.06	96	78391	19.836	ug/l	94
13) Acrolein	3.92	56	22937	110.949	ug/l	94
14) Allyl chloride	4.71	41	132223	19.743	ug/l	99
15) Acrylonitrile	5.42	53	83001	97.709	ug/l	100
16) Acetone	4.15	43	77664	91.700	ug/l	95
17) Carbon Disulfide	4.41	76	252845	20.080	ug/l	99
18) Methyl Acetate	4.71	43	37874	19.077	ug/l	94
19) Methyl tert-butyl Ether	5.47	73	165303	19.757	ug/l	98
20) Methylene Chloride	4.96	84	121091	20.867	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	90330	20.316	ug/l	97
22) Diisopropyl ether	6.36	45	255779	20.323	ug/l #	96
23) Vinyl Acetate	6.30	43	711156	98.993	ug/l	99
24) 1,1-Dichloroethane	6.26	63	151918	20.243	ug/l	97
25) 2-Butanone	7.21	43	106445	95.113	ug/l #	87
26) 2,2-Dichloropropane	7.20	77	132059	20.115	ug/l	100
27) cis-1,2-Dichloroethene	7.20	96	97704	20.451	ug/l	99
28) Bromochloromethane	7.54	49	60943	21.496	ug/l	98
29) Tetrahydrofuran	7.56	42	67276	94.536	ug/l	99
30) Chloroform	7.71	83	154121	20.257	ug/l	97
31) Cyclohexane	7.98	56	142503	19.299	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	140305	20.208	ug/l	100
36) 1,1-Dichloropropene	8.11	75	124136	20.579	ug/l	98
37) Ethyl Acetate	7.29	43	47372	18.743	ug/l #	90
38) Carbon Tetrachloride	8.10	117	129108	19.968	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	149494	20.186	ug/l	94
40) Benzene	8.35	78	347788	20.870	ug/l	98
41) Methacrylonitrile	7.52	41	26622	18.142	ug/l #	88
42) 1,2-Dichloroethane	8.43	62	94743	20.068	ug/l	100
43) Isopropyl Acetate	8.45	43	91720	19.496	ug/l	97
44) Trichloroethene	9.11	130	101240	20.676	ug/l	96
45) 1,2-Dichloropropane	9.38	63	84434	20.413	ug/l	99
46) Dibromomethane	9.47	93	42930	19.936	ug/l	98
47) Bromodichloromethane	9.66	83	119503	20.688	ug/l	98
48) Methyl methacrylate	9.46	41	43293	18.279	ug/l	92
49) 1,4-Dioxane	9.46	88	9116	356.281	ug/l #	81
51) 4-Methyl-2-Pentanone	10.23	43	230304	96.827	ug/l	99
52) Toluene	10.40	92	222798	21.015	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	110209	20.291	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	133329	20.316	ug/l	93
55) 1,1,2-Trichloroethane	10.80	97	61623	20.770	ug/l	95
56) Ethyl methacrylate	10.66	69	73171	20.192	ug/l	98
57) 1,3-Dichloropropane	10.94	76	107010	20.624	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	184259	104.991	ug/l	96
59) 2-Hexanone	10.98	43	161417	98.679	ug/l	97
60) Dibromochloromethane	11.14	129	82160	20.269	ug/l	99
61) 1,2-Dibromoethane	11.25	107	60795	20.552	ug/l	100
64) Tetrachloroethene	10.87	164	85916	20.711	ug/l	97
65) Chlorobenzene	11.67	112	238358	20.735	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	88962	20.691	ug/l	100
67) Ethyl Benzene	11.74	91	421801	20.655	ug/l	100
68) m/p-Xylenes	11.86	106	323958	41.754	ug/l	99
69) o-Xylene	12.18	106	149133	21.101	ug/l	99
70) Styrene	12.20	104	253631	20.788	ug/l	99
71) Bromoform	12.36	173	47656	19.588	ug/l #	98
73) Isopropylbenzene	12.48	105	400730	20.127	ug/l	99
74) N-amyl acetate	12.29	43	83713	18.737	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	64458	19.500	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	54764m	22.883	ug/l	
77) Bromobenzene	12.76	156	98772	20.453	ug/l	99
78) n-propylbenzene	12.82	91	476585	20.417	ug/l	100
79) 2-Chlorotoluene	12.91	91	268971	20.311	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	332544	20.420	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	21442	19.252	ug/l	99
82) 4-Chlorotoluene	13.01	91	283534	20.407	ug/l	100
83) tert-Butylbenzene	13.23	119	282900	20.390	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	334402	20.628	ug/l	100
85) sec-Butylbenzene	13.40	105	399731	20.329	ug/l	99
86) p-Isopropyltoluene	13.52	119	364766	20.282	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	188781	20.891	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	183206	20.322	ug/l	98
89) n-Butylbenzene	13.85	91	332233	19.672	ug/l	99
90) Hexachloroethane	14.11	117	71651	19.756	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	163711	20.728	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10074	18.226	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	117178	20.817	ug/l	95
94) Hexachlorobutadiene	15.27	225	68566	20.137	ug/l	98
95) Naphthalene	15.41	128	179148	18.977	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	98428	20.272	ug/l	99

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

