

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073020\
 Data File : VD066104.D
 Acq On : 30 Jul 2020 11:45
 Operator : VA/SY
 Sample : VD0730SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/31/2020 11:56:14 AM

Quant Time: Jul 31 02:39:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	222236	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	306564	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	291308	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	161972	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	103451	57.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.42%	
35) Dibromofluoromethane	7.91	113	102243	54.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.98%	
50) Toluene-d8	10.34	98	383979	55.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.86%	
62) 4-Bromofluorobenzene	12.64	95	136875	56.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	40067	23.757	ug/l	96
3) Chloromethane	2.21	50	28437	20.661	ug/l	93
4) Vinyl Chloride	2.35	62	28783	21.960	ug/l	96
5) Bromomethane	2.76	94	20801	19.507	ug/l	96
6) Chloroethane	2.92	64	18016	23.026	ug/l	96
7) Trichlorofluoromethane	3.27	101	74356	23.324	ug/l	98
8) Diethyl Ether	3.71	74	18364	20.840	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.09	101	43124	22.403	ug/l	99
10) Methyl Iodide	4.30	142	40390	25.923	ug/l	94
11) Tert butyl alcohol	5.21	59	13223	99.946	ug/l #	83
12) 1,1-Dichloroethene	4.07	96	37037	20.157	ug/l	89
13) Acrolein	3.93	56	10792	70.835	ug/l	94
14) Allyl chloride	4.71	41	53905	18.767	ug/l	89
15) Acrylonitrile	5.42	53	34927	92.775	ug/l	98
16) Acetone	4.16	43	34788	95.042	ug/l	93
17) Carbon Disulfide	4.41	76	114192	19.159	ug/l	100
18) Methyl Acetate	4.71	43	15270	17.933	ug/l	91
19) Methyl tert-butyl Ether	5.48	73	78702	20.847	ug/l	95
20) Methylene Chloride	4.96	84	48635	22.393	ug/l	95
21) trans-1,2-Dichloroethene	5.48	96	41306	19.890	ug/l	94
22) Diisopropyl ether	6.36	45	103207	18.913	ug/l	96
23) Vinyl Acetate	6.30	43	293993	95.530	ug/l	95
24) 1,1-Dichloroethane	6.27	63	69628	21.059	ug/l	94
25) 2-Butanone	7.21	43	45674	94.040	ug/l	92
26) 2,2-Dichloropropane	7.21	77	67949	22.853	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	46141	20.985	ug/l	98
28) Bromochloromethane	7.54	49	26869	19.147	ug/l	88
29) Tetrahydrofuran	7.56	42	26006	86.781	ug/l	94
30) Chloroform	7.71	83	76646	22.161	ug/l	99
31) Cyclohexane	7.98	56	61191	18.812	ug/l #	92
32) 1,1,1-Trichloroethane	7.90	97	75297	23.536	ug/l	99
36) 1,1-Dichloropropene	8.11	75	59021	22.558	ug/l	98
37) Ethyl Acetate	7.29	43	17253	17.267	ug/l	99
38) Carbon Tetrachloride	8.10	117	72959	25.700	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	69940	22.074	ug/l	97
40) Benzene	8.35	78	155525	21.247	ug/l	100
41) Methacrylonitrile	7.53	41	10668	18.637	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	48543	24.201	ug/l	97
43) Isopropyl Acetate	8.45	43	38176	19.562	ug/l	97
44) Trichloroethene	9.11	130	49009	22.126	ug/l	91
45) 1,2-Dichloropropane	9.39	63	36285	20.468	ug/l	96
46) Dibromomethane	9.47	93	20969	21.972	ug/l	96
47) Bromodichloromethane	9.66	83	57854	22.927	ug/l	90
48) Methyl methacrylate	9.46	41	18321	18.611	ug/l #	82
49) 1,4-Dioxane	9.46	88	4161	376.338	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	95714	97.339	ug/l	98
52) Toluene	10.40	92	110731	23.197	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	54670	23.255	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	63368	22.237	ug/l	93
55) 1,1,2-Trichloroethane	10.80	97	30417	22.473	ug/l	94
56) Ethyl methacrylate	10.66	69	34290	21.790	ug/l #	94
57) 1,3-Dichloropropane	10.95	76	48966	21.854	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	87299	116.130	ug/l	97
59) 2-Hexanone	10.98	43	71435	104.832	ug/l	99
60) Dibromochloromethane	11.14	129	44105	24.168	ug/l	99
61) 1,2-Dibromoethane	11.25	107	29584	22.669	ug/l	100
64) Tetrachloroethene	10.88	164	45489	23.007	ug/l	95
65) Chlorobenzene	11.67	112	121711	22.819	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	47365	24.050	ug/l	97
67) Ethyl Benzene	11.75	91	210261	22.907	ug/l	97
68) m/p-Xylenes	11.86	106	165222	46.832	ug/l	97
69) o-Xylene	12.18	106	75592	23.558	ug/l	100
70) Styrene	12.20	104	130657	23.699	ug/l	99
71) Bromoform	12.36	173	27237	23.610	ug/l #	98
73) Isopropylbenzene	12.48	105	213832	21.818	ug/l	99
74) N-amyl acetate	12.29	43	37301	18.356	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	30778	19.002	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	28533m	23.396	ug/l	
77) Bromobenzene	12.77	156	52929	21.131	ug/l	93
78) n-propylbenzene	12.83	91	248490	21.849	ug/l	100
79) 2-Chlorotoluene	12.91	91	137319	21.134	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	181257	22.510	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	11093	20.872	ug/l	100
82) 4-Chlorotoluene	13.01	91	149201	21.755	ug/l	100
83) tert-Butylbenzene	13.23	119	153421	21.774	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	181837	22.889	ug/l	94
85) sec-Butylbenzene	13.41	105	212196	21.864	ug/l	99
86) p-Isopropyltoluene	13.53	119	205012	23.251	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	105147	22.610	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	103335	21.981	ug/l	99
89) n-Butylbenzene	13.85	91	178752	21.803	ug/l	99
90) Hexachloroethane	14.12	117	39577	21.682	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	90852	22.545	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5325	20.060	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	64847	22.419	ug/l	97
94) Hexachlorobutadiene	15.28	225	40526	22.662	ug/l	94
95) Naphthalene	15.41	128	98827	21.397	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	56773	22.577	ug/l	99

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

