

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD010320\
 Data File : VD064728.D
 Acq On : 03 Jan 2020 12:16
 Operator : VA/SY
 Sample : VD0103SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0103SBS01

Manual Integrations
 APPROVED

apatel
 1/6/2020 10:49:49 AM

Quant Time: Jan 03 16:49:04 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	418236	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	607993	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	530905	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	265413	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	174847	47.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.82%	
35) Dibromofluoromethane	7.92	113	174412	46.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.52%	
50) Toluene-d8	10.34	98	675985	47.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.64%	
62) 4-Bromofluorobenzene	12.64	95	214443	47.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	63759	19.616	ug/l	96
3) Chloromethane	2.21	50	92021	20.243	ug/l	98
4) Vinyl Chloride	2.35	62	110044	19.855	ug/l	94
5) Bromomethane	2.76	94	77421	19.211	ug/l	94
6) Chloroethane	2.92	64	76298	20.545	ug/l	96
7) Trichlorofluoromethane	3.27	101	191601	20.531	ug/l	99
8) Diethyl Ether	3.70	74	36924	19.924	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.08	101	79858	20.662	ug/l	98
10) Methyl Iodide	4.29	142	75941	18.292	ug/l	100
11) Tert butyl alcohol	5.24	59	17537	82.973	ug/l	99
12) 1,1-Dichloroethene	4.06	96	73351	19.935	ug/l	97
13) Acrolein	3.91	56	24139	81.949	ug/l	99
14) Allyl chloride	4.71	41	117788	20.531	ug/l	100
15) Acrylonitrile	5.43	53	76860	99.570	ug/l	98
16) Acetone	4.16	43	80615	99.229	ug/l	97
17) Carbon Disulfide	4.40	76	236994	19.919	ug/l	97
18) Methyl Acetate	4.73	43	42285	20.366	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	163853	20.048	ug/l	97
20) Methylene Chloride	4.96	84	90207	21.091	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	86859	20.728	ug/l	97
22) Diisopropyl ether	6.37	45	233474	20.404	ug/l	99
23) Vinyl Acetate	6.31	43	645574	99.456	ug/l	98
24) 1,1-Dichloroethane	6.26	63	141110	20.542	ug/l	99
25) 2-Butanone	7.22	43	99768	98.417	ug/l	99
26) 2,2-Dichloropropane	7.21	77	132014	20.669	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	92079	20.360	ug/l	99
28) Bromochloromethane	7.55	49	48503	18.163	ug/l	97
29) Tetrahydrofuran	7.57	42	60854	96.530	ug/l	99
30) Chloroform	7.71	83	148310	20.578	ug/l	98
31) Cyclohexane	7.98	56	135920	19.766	ug/l	89
32) 1,1,1-Trichloroethane	7.90	97	140617	20.772	ug/l	99
36) 1,1-Dichloropropene	8.11	75	118858	20.311	ug/l	100
37) Ethyl Acetate	7.30	43	43819	19.061	ug/l	97
38) Carbon Tetrachloride	8.09	117	128659	20.619	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	141542	19.970	ug/l	98
40) Benzene	8.35	78	321879	20.149	ug/l	98
41) Methacrylonitrile	7.53	41	19720	14.784	ug/l #	77
42) 1,2-Dichloroethane	8.43	62	94952	20.568	ug/l	100
43) Isopropyl Acetate	8.46	43	87812	19.190	ug/l	99
44) Trichloroethene	9.11	130	94887	20.219	ug/l	98
45) 1,2-Dichloropropane	9.39	63	79432	20.825	ug/l	99
46) Dibromomethane	9.48	93	44065	20.721	ug/l	97
47) Bromodichloromethane	9.66	83	115151	20.349	ug/l	94
48) Methyl methacrylate	9.46	41	41126	19.088	ug/l	93
49) 1,4-Dioxane	9.47	88	10093	411.608	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	219996	97.269	ug/l	100
52) Toluene	10.40	92	210998	20.132	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	105883	20.070	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	124210	19.967	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	58090	20.269	ug/l	95
56) Ethyl methacrylate	10.66	69	68706	19.196	ug/l	95
57) 1,3-Dichloropropane	10.95	76	99479	20.160	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	134532	98.657	ug/l	99
59) 2-Hexanone	10.99	43	154203	100.452	ug/l	99
60) Dibromochloromethane	11.14	129	78460	19.797	ug/l	99
61) 1,2-Dibromoethane	11.25	107	56399	19.952	ug/l	99
64) Tetrachloroethene	10.87	164	83083	20.398	ug/l	98
65) Chlorobenzene	11.67	112	223988	20.328	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.75	131	85307	20.536	ug/l	98
67) Ethyl Benzene	11.75	91	394635	19.732	ug/l	96
68) m/p-Xylenes	11.86	106	306205	39.666	ug/l	98
69) o-Xylene	12.18	106	135669	19.457	ug/l	98
70) Styrene	12.20	104	240871	19.681	ug/l	99
71) Bromoform	12.37	173	48524	20.484	ug/l #	97
73) Isopropylbenzene	12.48	105	380801	20.077	ug/l	99
74) N-amyl acetate	12.30	43	77772	19.182	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	61594	20.672	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	39395m	18.797	ug/l	
77) Bromobenzene	12.77	156	94687	20.317	ug/l	99
78) n-propylbenzene	12.83	91	448979	20.291	ug/l	99
79) 2-Chlorotoluene	12.91	91	240707	19.802	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	311896	20.018	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	20149	20.107	ug/l	99
82) 4-Chlorotoluene	13.01	91	259542	20.064	ug/l	99
83) tert-Butylbenzene	13.23	119	266414	19.694	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	311742	20.090	ug/l	100
85) sec-Butylbenzene	13.41	105	375327	20.238	ug/l	99
86) p-Isopropyltoluene	13.53	119	352450	19.875	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	177776	20.010	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	175026	20.054	ug/l	97
89) n-Butylbenzene	13.86	91	321335	20.122	ug/l	99
90) Hexachloroethane	14.12	117	67252	19.853	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	150922	19.922	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	9739	20.163	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	106427	19.079	ug/l	99
94) Hexachlorobutadiene	15.28	225	67073	19.108	ug/l	95
95) Naphthalene	15.41	128	167566	18.988	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	93439	19.621	ug/l	97

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

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