

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032619\
 Data File : VF062145.D
 Acq On : 26 Mar 2019 14:51
 Operator : VA/AP
 Sample : VF0326SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0326SBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 12:01:40 PM

Quant Time: Mar 27 09:51:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	244874	50.00	ug/l	-0.06
34) 1,4-Difluorobenzene	5.58	114	375533	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.76	117	328474	50.00	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	12.54	152	172447	50.00	ug/l	-0.03

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	87287	47.92	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	95.84%	
35) Dibromofluoromethane	4.10	113	124818	49.13	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	98.26%	
50) Toluene-d8	7.53	98	360070	47.48	ug/l	-0.06
Spiked Amount	50.000		Recovery	=	94.96%	
62) 4-Bromofluorobenzene	11.40	95	144111	49.23	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	98.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	71905	22.921	ug/l	95
3) Chloromethane	1.09	50	77383	23.575	ug/l #	88
4) Vinyl Chloride	1.14	62	73535	24.220	ug/l	99
5) Bromomethane	1.31	94	47157	21.607	ug/l	91
6) Chloroethane	1.38	64	36821	24.091	ug/l	99
7) Trichlorofluoromethane	1.48	101	92440	25.209	ug/l	99
8) Diethyl Ether	1.62	74	17672	21.098	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.82	101	63740	25.479	ug/l	90
10) Methyl Iodide	1.90	142	117409m	24.698	ug/l	
11) Tert butyl alcohol	2.56	59	10299	102.768	ug/l #	72
12) 1,1-Dichloroethene	1.79	96	57415	24.324	ug/l	93
13) Acrolein	1.99	56	12358	102.547	ug/l	86
14) Allyl chloride	2.09	41	65936	26.164	ug/l	98
15) Acrylonitrile	2.93	53	39023	110.732	ug/l	90
16) Acetone	2.23	43	43991	114.757	ug/l	95
17) Carbon Disulfide	1.81	76	173969	24.170	ug/l	95
18) Methyl Acetate	2.33	43	21388	23.390	ug/l	95
19) Methyl tert-butyl Ether	2.42	73	84057	22.532	ug/l	94
20) Methylene Chloride	2.18	84	65584m	26.976	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	57769	25.437	ug/l	99
22) Diisopropyl ether	2.79	45	154444	23.375	ug/l	94
23) Vinyl Acetate	3.17	43	304104	112.414	ug/l	99
24) 1,1-Dichloroethane	2.86	63	91656	23.132	ug/l	99
25) 2-Butanone	4.32	43	86617	108.234	ug/l	100
26) 2,2-Dichloropropane	3.59	77	43234	26.912	ug/l	95
27) cis-1,2-Dichloroethene	3.46	96	68860	22.881	ug/l	91
28) Bromochloromethane	3.70	49	38631	23.863	ug/l	99
29) Tetrahydrofuran	4.06	42	37950	109.068	ug/l	93
30) Chloroform	3.84	83	99638	23.795	ug/l	99
31) Cyclohexane	3.68	56	94667	22.876	ug/l	92
32) 1,1,1-Trichloroethane	4.08	97	62663	24.601	ug/l	97
36) 1,1-Dichloropropene	4.26	75	82703	23.121	ug/l	91
37) Ethyl Acetate	4.09	43	33391	21.360	ug/l #	67
38) Carbon Tetrachloride	3.98	117	60355	24.757	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	99034	23.855	ug/l	96
40) Benzene	4.61	78	218394	22.775	ug/l	96
41) Methacrylonitrile	4.73	41	19105	23.098	ug/l	96
42) 1,2-Dichloroethane	4.93	62	52540	23.170	ug/l	94
43) Isopropyl Acetate	6.94	43	42752	22.582	ug/l #	91
44) Trichloroethene	5.49	130	68726	23.442	ug/l	97
45) 1,2-Dichloropropane	6.22	63	52094	22.777	ug/l	97
46) Dibromomethane	6.07	93	31127	22.259	ug/l	89
47) Bromodichloromethane	6.37	83	71458	23.070	ug/l	95
48) Methyl methacrylate	6.70	41	24748	22.959	ug/l	90
49) 1,4-Dioxane	6.69	88	3913	413.712	ug/l #	77
51) 4-Methyl-2-Pentanone	8.24	43	150941	119.122	ug/l	96
52) Toluene	7.61	92	125591	22.612	ug/l	98
53) t-1,3-Dichloropropene	8.26	75	56786	23.354	ug/l	95
54) cis-1,3-Dichloropropene	7.28	75	79750	22.922	ug/l	96
55) 1,1,2-Trichloroethane	8.48	97	36237	22.970	ug/l	98
56) Ethyl methacrylate	8.61	69	41005	21.794	ug/l	92
57) 1,3-Dichloropropane	8.83	76	59235	22.623	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.27	63	28321	99.198	ug/l	100
59) 2-Hexanone	9.47	43	102138	109.983	ug/l	100
60) Dibromochloromethane	8.69	129	51193	23.342	ug/l	100
61) 1,2-Dibromoethane	8.97	107	39324	23.364	ug/l	95
64) Tetrachloroethene	8.13	164	58757	23.153	ug/l	94
65) Chlorobenzene	9.78	112	141579	23.036	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.91	131	56382	22.838	ug/l	93
67) Ethyl Benzene	9.88	91	245406	22.960	ug/l	98
68) m/p-Xylenes	10.11	106	193190	48.359	ug/l	96
69) o-Xylene	10.70	106	95867	22.913	ug/l	88
70) Styrene	10.77	104	145349	22.928	ug/l	99
71) Bromoform	10.76	173	27682	21.922	ug/l	97
73) Isopropylbenzene	11.11	105	288957	23.813	ug/l	98
74) N-amyl acetate	11.36	43	66186	22.891	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.68	83	43954	21.096	ug/l	98
76) 1,2,3-Trichloropropane	11.78	75	32284m	22.017	ug/l	
77) Bromobenzene	11.48	156	66727	22.508	ug/l	98
78) n-propylbenzene	11.58	91	338455	24.020	ug/l	99
79) 2-Chlorotoluene	11.70	91	185359	23.668	ug/l	95
80) 1,3,5-Trimethylbenzene	11.81	105	231030	23.147	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.86	75	11950m	20.001	ug/l	
82) 4-Chlorotoluene	11.89	91	183906	22.902	ug/l	94
83) tert-Butylbenzene	12.12	119	249466	23.876	ug/l	97
84) 1,2,4-Trimethylbenzene	12.19	105	227888	23.290	ug/l	99
85) sec-Butylbenzene	12.29	105	323349	23.922	ug/l	100
86) p-Isopropyltoluene	12.45	119	281686	24.054	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	132505	24.057	ug/l	96
88) 1,4-Dichlorobenzene	12.55	146	124571	23.178	ug/l	97
89) n-Butylbenzene	12.84	91	271403	24.292	ug/l	98
90) Hexachloroethane	12.90	117	65741	23.576	ug/l	90
91) 1,2-Dichlorobenzene	12.93	146	121523	23.497	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.63	75	7067	22.386	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	85062	23.598	ug/l	97
94) Hexachlorobutadiene	14.18	225	55915	23.330	ug/l	96
95) Naphthalene	14.44	128	142875	22.619	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	76477	22.666	ug/l	97

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

