

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032219\
 Data File : VF062081.D
 Acq On : 22 Mar 2019 14:12
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICSVF032219

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 11:57:14 AM

Quant Time: Mar 22 14:34:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 14:15:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.90	168	304387	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.63	114	469614	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.81	117	405651	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	204340	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.88	65	110054	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
35) Dibromofluoromethane	4.15	113	161387	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
50) Toluene-d8	7.59	98	515227	54.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.66%	
62) 4-Bromofluorobenzene	11.44	95	185430	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	193711	49.677	ug/l	94
3) Chloromethane	1.10	50	204891	50.216	ug/l	90
4) Vinyl Chloride	1.15	62	191243	50.673	ug/l	94
5) Bromomethane	1.34	94	137844	50.810	ug/l	98
6) Chloroethane	1.41	64	99076	52.148	ug/l	100
7) Trichlorofluoromethane	1.50	101	236428	54.007	ug/l	92
8) Diethyl Ether	1.64	74	53221	51.115	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.85	101	153107	49.237	ug/l	94
10) Methyl Iodide	1.93	142	291225m	50.228	ug/l	
11) Tert butyl alcohol	2.59	59	30341	243.561	ug/l #	86
12) 1,1-Dichloroethene	1.81	96	151932	51.782	ug/l	94
13) Acrolein	2.02	56	37498	249.752	ug/l	89
14) Allyl chloride	2.12	41	174778	55.794	ug/l	94
15) Acrylonitrile	2.96	53	112964	257.876	ug/l	99
16) Acetone	2.25	43	141604	297.171	ug/l	99
17) Carbon Disulfide	1.84	76	364026	41.507	ug/l #	95
18) Methyl Acetate	2.36	43	49868	49.106	ug/l	97
19) Methyl tert-butyl Ether	2.45	73	233252	50.300	ug/l	100
20) Methylene Chloride	2.20	84	139206m	49.837	ug/l	
21) trans-1,2-Dichloroethene	2.33	96	146865	53.860	ug/l	90
22) Diisopropyl ether	2.83	45	417868	50.879	ug/l	96
23) Vinyl Acetate	3.21	43	903959	268.822	ug/l	99
24) 1,1-Dichloroethane	2.90	63	257305	52.242	ug/l	98
25) 2-Butanone	4.36	43	259736	261.102	ug/l	94
26) 2,2-Dichloropropane	3.63	77	104165	52.162	ug/l	98
27) cis-1,2-Dichloroethene	3.51	96	195269	52.199	ug/l	96
28) Bromochloromethane	3.75	49	99363	49.377	ug/l	93
29) Tetrahydrofuran	4.11	42	101015	233.555	ug/l	97
30) Chloroform	3.89	83	264652	50.845	ug/l	96
31) Cyclohexane	3.72	56	261200m	54.040	ug/l	
32) 1,1,1-Trichloroethane	4.13	97	166951	52.728	ug/l	95
36) 1,1-Dichloropropene	4.32	75	222619	49.769	ug/l	97
37) Ethyl Acetate	4.15	43	87033	44.521	ug/l	92
38) Carbon Tetrachloride	4.02	117	152785	50.115	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.49	83	277994	53.548	ug/l	96
40) Benzene	4.66	78	608092	50.711	ug/l	100
41) Methacrylonitrile	4.78	41	48929	47.305	ug/l	98
42) 1,2-Dichloroethane	4.98	62	141806	50.008	ug/l	96
43) Isopropyl Acetate	6.99	43	109384	46.204	ug/l #	98
44) Trichloroethene	5.54	130	183849	50.147	ug/l	100
45) 1,2-Dichloropropane	6.27	63	141669	49.533	ug/l	97
46) Dibromomethane	6.12	93	86321	49.362	ug/l	95
47) Bromodichloromethane	6.42	83	194232	50.144	ug/l #	97
48) Methyl methacrylate	6.75	41	66931	49.654	ug/l #	82
49) 1,4-Dioxane	6.73	88	11834	1000.522	ug/l #	76
51) 4-Methyl-2-Pentanone	8.29	43	385310	243.167	ug/l	96
52) Toluene	7.66	92	362339	52.169	ug/l	93
53) t-1,3-Dichloropropene	8.31	75	156363	51.423	ug/l	99
54) cis-1,3-Dichloropropene	7.33	75	225314	51.787	ug/l	97
55) 1,1,2-Trichloroethane	8.52	97	99239	50.303	ug/l	97
56) Ethyl methacrylate	8.64	69	116427	49.484	ug/l	99
57) 1,3-Dichloropropane	8.89	76	164161	50.136	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.32	63	94801	265.530	ug/l	98
59) 2-Hexanone	9.52	43	285884	246.169	ug/l	97
60) Dibromochloromethane	8.74	129	139004	50.683	ug/l	95
61) 1,2-Dibromoethane	9.02	107	107135	50.901	ug/l	96
64) Tetrachloroethene	8.18	164	153090	48.848	ug/l	96
65) Chlorobenzene	9.83	112	380022	50.069	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.97	131	149912	49.171	ug/l	97
67) Ethyl Benzene	9.93	91	680398	51.546	ug/l	99
68) m/p-Xylenes	10.16	106	494750	100.284	ug/l	98
69) o-Xylene	10.74	106	253300	49.022	ug/l	97
70) Styrene	10.81	104	387587	49.507	ug/l	98
71) Bromoform	10.80	173	74957	48.067	ug/l	96
73) Isopropylbenzene	11.15	105	759396	52.814	ug/l	99
74) N-amyl acetate	11.40	43	179954	52.524	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.72	83	125581	50.866	ug/l	95
76) 1,2,3-Trichloropropane	11.82	75	81002	46.621	ug/l	91
77) Bromobenzene	11.52	156	177009	50.388	ug/l	94
78) n-propylbenzene	11.61	91	840977	50.369	ug/l	97
79) 2-Chlorotoluene	11.74	91	493143	53.139	ug/l	97
80) 1,3,5-Trimethylbenzene	11.85	105	585177	49.478	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.89	75	49388	52.704	ug/l	93
82) 4-Chlorotoluene	11.92	91	479411	50.384	ug/l	96
83) tert-Butylbenzene	12.15	119	643740	51.995	ug/l	96
84) 1,2,4-Trimethylbenzene	12.22	105	567404	48.938	ug/l	97
85) sec-Butylbenzene	12.32	105	813725	50.805	ug/l	99
86) p-Isopropyltoluene	12.48	119	714302	51.477	ug/l	99
87) 1,3-Dichlorobenzene	12.50	146	325635	49.893	ug/l	96
88) 1,4-Dichlorobenzene	12.59	146	318891	50.072	ug/l	97
89) n-Butylbenzene	12.86	91	693036	52.349	ug/l	99
90) Hexachloroethane	12.93	117	169249	51.224	ug/l	87
91) 1,2-Dichlorobenzene	12.96	146	293723	47.928	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.66	75	17841	47.693	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	215931	50.555	ug/l	97
94) Hexachlorobutadiene	14.22	225	143994	50.703	ug/l	98
95) Naphthalene	14.47	128	394982	52.770	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	201159	50.314	ug/l	97

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

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