

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121918\
 Data File : VF061075.D
 Acq On : 18 Dec 2018 21:47
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00G/5mL/MSVOA-F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF121918

Manual Integrations
 APPROVED

apatel
 12/20/2018 10:29:10 AM

Quant Time: Dec 19 06:39:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 06:31:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	223328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	370694	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	350302	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	173256	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	142043	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
35) Dibromofluoromethane	4.11	113	149118	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
50) Toluene-d8	7.55	98	408037	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
62) 4-Bromofluorobenzene	11.41	95	190287	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	204938	41.281	ug/l	97
3) Chloromethane	1.11	50	133829	47.061	ug/l	100
4) Vinyl Chloride	1.14	62	123003	46.628	ug/l	90
5) Bromomethane	1.34	94	90555	49.491	ug/l	96
6) Chloroethane	1.39	64	60485	49.760	ug/l	93
7) Trichlorofluoromethane	1.50	101	223983	44.468	ug/l	94
8) Diethyl Ether	1.63	74	33799	49.002	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.84	101	116672	44.675	ug/l	92
10) Methyl Iodide	1.91	142	189603m	46.057	ug/l	
11) Tert butyl alcohol	2.58	59	28050	241.993	ug/l	96
12) 1,1-Dichloroethene	1.80	96	91311	46.383	ug/l	95
13) Acrolein	2.00	56	17871	221.496	ug/l	99
14) Allyl chloride	2.09	41	93680	45.727	ug/l	92
15) Acrylonitrile	2.94	53	64805	241.778	ug/l	96
16) Acetone	2.24	43	120426	209.721	ug/l #	93
17) Carbon Disulfide	1.84	76	280940	47.223	ug/l	96
18) Methyl Acetate	2.34	43	55752	46.929	ug/l	98
19) Methyl tert-butyl Ether	2.43	73	207574	47.503	ug/l	98
20) Methylene Chloride	2.25	84	87510m	43.910	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	94680m	44.967	ug/l	
22) Diisopropyl ether	2.79	45	339143	49.697	ug/l	95
23) Vinyl Acetate	3.19	43	812034	257.939	ug/l	99
24) 1,1-Dichloroethane	2.87	63	186836	46.209	ug/l	99
25) 2-Butanone	4.33	43	205959	221.158	ug/l	95
26) 2,2-Dichloropropane	3.59	77	105105	45.297	ug/l	96
27) cis-1,2-Dichloroethene	3.47	96	147058	45.621	ug/l	99
28) Bromochloromethane	3.71	49	95572	46.585	ug/l	83
29) Tetrahydrofuran	4.06	42	93352	246.286	ug/l	99
30) Chloroform	3.86	83	261485	43.131	ug/l	95
31) Cyclohexane	3.68	56	191462m	45.634	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	155716	42.852	ug/l	95
36) 1,1-Dichloropropene	4.27	75	207357	46.342	ug/l	94
37) Ethyl Acetate	4.11	43	86622	49.728	ug/l	93
38) Carbon Tetrachloride	3.99	117	153783	45.130	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	192024	47.836	ug/l	98
40) Benzene	4.63	78	441448	45.877	ug/l	97
41) Methacrylonitrile	4.75	41	46242	48.935	ug/l	97
42) 1,2-Dichloroethane	4.94	62	162523	44.461	ug/l	95
43) Isopropyl Acetate	6.96	43	107946	49.963	ug/l	97
44) Trichloroethene	5.50	130	140259	46.233	ug/l	96
45) 1,2-Dichloropropane	6.23	63	122232	46.690	ug/l	97
46) Dibromomethane	6.09	93	80575	47.454	ug/l	98
47) Bromodichloromethane	6.38	83	209906	47.578	ug/l #	99
48) Methyl methacrylate	6.72	41	73625	48.814	ug/l	93
49) 1,4-Dioxane	6.70	88	10798	986.655	ug/l	99
51) 4-Methyl-2-Pentanone	8.26	43	361363	243.878	ug/l	98
52) Toluene	7.63	92	295212	46.347	ug/l	98
53) t-1,3-Dichloropropene	8.28	75	168816	47.433	ug/l	97
54) cis-1,3-Dichloropropene	7.30	75	214617	48.047	ug/l	98
55) 1,1,2-Trichloroethane	8.48	97	89690	46.970	ug/l	96
56) Ethyl methacrylate	8.61	69	101545	49.145	ug/l	97
57) 1,3-Dichloropropane	8.85	76	164057	47.503	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.29	63	99137	249.819	ug/l	100
59) 2-Hexanone	9.49	43	238945	222.988	ug/l	97
60) Dibromochloromethane	8.71	129	129076	47.156	ug/l	96
61) 1,2-Dibromoethane	8.99	107	96245	47.194	ug/l	93
64) Tetrachloroethene	8.15	164	129182	47.939	ug/l	99
65) Chlorobenzene	9.80	112	330898	45.725	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.92	131	133264	45.062	ug/l	99
67) Ethyl Benzene	9.89	91	618622	46.922	ug/l	96
68) m/p-Xylenes	10.13	106	407869	87.907	ug/l	99
69) o-Xylene	10.71	106	240321	46.702	ug/l	91
70) Styrene	10.78	104	321607	51.429	ug/l	99
71) Bromoform	10.77	173	65183	47.641	ug/l #	97
73) Isopropylbenzene	11.12	105	675620	45.251	ug/l	98
74) N-amyl acetate	11.37	43	169474	51.127	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.69	83	113023	45.611	ug/l	95
76) 1,2,3-Trichloropropane	11.79	75	80862	43.849	ug/l	97
77) Bromobenzene	11.49	156	148876	46.321	ug/l	88
78) n-propylbenzene	11.59	91	799092	45.661	ug/l	99
79) 2-Chlorotoluene	11.72	91	449682	43.905	ug/l	100
80) 1,3,5-Trimethylbenzene	11.82	105	540089	43.931	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.87	75	37471m	47.287	ug/l	
82) 4-Chlorotoluene	11.90	91	450508	42.519	ug/l	99
83) tert-Butylbenzene	12.12	119	578454	45.724	ug/l	97
84) 1,2,4-Trimethylbenzene	12.20	105	552602	45.074	ug/l	98
85) sec-Butylbenzene	12.30	105	721076	43.676	ug/l	99
86) p-Isopropyltoluene	12.46	119	607187	44.308	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	259830	49.481	ug/l	95
88) 1,4-Dichlorobenzene	12.57	146	270912	45.904	ug/l	98
89) n-Butylbenzene	12.84	91	613641	42.902	ug/l	99
90) Hexachloroethane	12.91	117	161972	47.840	ug/l	98
91) 1,2-Dichlorobenzene	12.94	146	257983	44.899	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.64	75	21586	47.472	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	190758	46.813	ug/l	98
94) Hexachlorobutadiene	14.19	225	120593	46.465	ug/l	98
95) Naphthalene	14.45	128	364897	49.039	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	181753	48.248	ug/l	97

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

