

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041619\
 Data File : VF062177.D
 Acq On : 16 Apr 2019 15:48
 Operator : FY/SY
 Sample : VF0416SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0416SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 11:49:49 AM

Quant Time: Apr 17 08:18:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F041619S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 07:56:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	394517	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	612891	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	486301	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	255665	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	197321	55.54	ug/l	0.00
Spiked Amount			Recovery	=	111.08%	
35) Dibromofluoromethane	4.30	113	272937	56.45	ug/l	0.00
Spiked Amount			Recovery	=	112.90%	
50) Toluene-d8	7.71	98	730382	51.70	ug/l	0.00
Spiked Amount			Recovery	=	103.40%	
62) 4-Bromofluorobenzene	11.50	95	297733	53.36	ug/l	0.00
Spiked Amount			Recovery	=	106.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	144618	24.985	ug/l	99
3) Chloromethane	1.14	50	157782	25.329	ug/l	99
4) Vinyl Chloride	1.19	62	138150	25.348	ug/l	97
5) Bromomethane	1.36	94	67577	19.281	ug/l	96
6) Chloroethane	1.44	64	47332	18.342	ug/l	100
7) Trichlorofluoromethane	1.55	101	154666	23.727	ug/l	100
8) Diethyl Ether	1.71	74	33362	25.354	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.90	101	106576	25.033	ug/l	99
10) Methyl Iodide	1.97	142	197560	24.928	ug/l	99
11) Tert butyl alcohol	2.69	59	29629	150.461	ug/l #	89
12) 1,1-Dichloroethene	1.86	96	108375	25.030	ug/l	98
13) Acrolein	2.10	56	21555	138.957	ug/l	93
14) Allyl chloride	2.19	41	178308	27.350	ug/l	97
15) Acrylonitrile	3.08	53	90334	123.457	ug/l	93
16) Acetone	2.34	43	104255	130.155	ug/l	96
17) Carbon Disulfide	1.91	76	303076	24.710	ug/l	99
18) Methyl Acetate	2.46	43	51778	27.366	ug/l	100
19) Methyl tert-butyl Ether	2.54	73	188749	26.208	ug/l	98
20) Methylene Chloride	2.28	84	142495m	35.582	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	104780	25.293	ug/l	96
22) Diisopropyl ether	2.93	45	310478	25.620	ug/l	98
23) Vinyl Acetate	3.34	43	736748	121.876	ug/l	97
24) 1,1-Dichloroethane	3.01	63	170879	25.321	ug/l	100
25) 2-Butanone	4.52	43	205471	119.415	ug/l	99
26) 2,2-Dichloropropane	3.77	77	96688	27.239	ug/l	98
27) cis-1,2-Dichloroethene	3.64	96	131537	23.920	ug/l	93
28) Bromochloromethane	3.90	49	81349	25.173	ug/l	93
29) Tetrahydrofuran	4.26	42	92782	121.238	ug/l	97
30) Chloroform	4.05	83	197224	23.507	ug/l	99
31) Cyclohexane	3.88	56	212215	24.340	ug/l	98
32) 1,1,1-Trichloroethane	4.28	97	152475	26.651	ug/l	97
36) 1,1-Dichloropropene	4.47	75	155852	22.887	ug/l	99
37) Ethyl Acetate	4.30	43	68139	21.716	ug/l	99
38) Carbon Tetrachloride	4.19	117	159039m	27.134	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	211782	24.818	ug/l	97
40) Benzene	4.83	78	427534	23.768	ug/l	99
41) Methacrylonitrile	4.93	41	44164	23.425	ug/l	96
42) 1,2-Dichloroethane	5.12	62	108829	23.904	ug/l	96
43) Isopropyl Acetate	7.11	43	84069	23.190	ug/l #	97
44) Trichloroethene	5.68	130	110553	22.962	ug/l	99
45) 1,2-Dichloropropane	6.41	63	94179	21.342	ug/l	100
46) Dibromomethane	6.26	93	59575	22.389	ug/l	92
47) Bromodichloromethane	6.55	83	129616	21.501	ug/l	97
48) Methyl methacrylate	6.88	41	51007	21.489	ug/l	96
49) 1,4-Dioxane	6.88	88	10532	569.403	ug/l	89
51) 4-Methyl-2-Pentanone	8.40	43	305509	109.361	ug/l	99
52) Toluene	7.78	92	223453	21.146	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	109826	21.033	ug/l	93
54) cis-1,3-Dichloropropene	7.46	75	143595	21.626	ug/l	95
55) 1,1,2-Trichloroethane	8.64	97	59181	19.555	ug/l	98
56) Ethyl methacrylate	8.76	69	76409	21.232	ug/l	97
57) 1,3-Dichloropropane	9.00	76	104783	21.060	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.45	63	95926	103.455	ug/l	99
59) 2-Hexanone	9.63	43	210866	118.769	ug/l	97
60) Dibromochloromethane	8.86	129	91511	21.976	ug/l	99
61) 1,2-Dibromoethane	9.13	107	73471	22.691	ug/l	96
64) Tetrachloroethene	8.31	164	87678	22.075	ug/l	95
65) Chlorobenzene	9.93	112	226076	22.348	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	99476	23.818	ug/l	98
67) Ethyl Benzene	10.03	91	435141	23.205	ug/l	100
68) m/p-Xylenes	10.26	106	314220	45.519	ug/l	91
69) o-Xylene	10.82	106	167074	22.354	ug/l	92
70) Styrene	10.89	104	249709	22.974	ug/l	98
71) Bromoform	10.88	173	51577	23.582	ug/l	98
73) Isopropylbenzene	11.21	105	498594	22.637	ug/l	98
74) N-amyl acetate	11.45	43	128795	23.290	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	87861	22.393	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	58463	21.971	ug/l	92
77) Bromobenzene	11.58	156	100949	22.038	ug/l	97
78) n-propylbenzene	11.68	91	559617	22.353	ug/l	96
79) 2-Chlorotoluene	11.80	91	331843	22.486	ug/l	100
80) 1,3,5-Trimethylbenzene	11.89	105	418532	22.784	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.94	75	31182m	23.431	ug/l	
82) 4-Chlorotoluene	11.97	91	324888	22.465	ug/l	99
83) tert-Butylbenzene	12.20	119	423742	23.230	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	404344	22.681	ug/l	94
85) sec-Butylbenzene	12.37	105	559808	23.339	ug/l	98
86) p-Isopropyltoluene	12.53	119	477898	23.387	ug/l	97
87) 1,3-Dichlorobenzene	12.53	146	193971	23.145	ug/l	97
88) 1,4-Dichlorobenzene	12.62	146	181668	22.233	ug/l	94
89) n-Butylbenzene	12.90	91	487787	22.769	ug/l	95
90) Hexachloroethane	12.98	117	117999	23.574	ug/l	98
91) 1,2-Dichlorobenzene	13.00	146	185746	23.095	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.69	75	15679	22.187	ug/l	95

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93) 1,2,4-Trichlorobenzene	14.24	180	144590	23.937	µg/l	96
94) Hexachlorobutadiene	14.23	225	95357	24.223	µg/l	97
95) Naphthalene	14.50	128	244351	23.154	µg/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	133123	23.655	µg/l	98

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

