

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041819\
 Data File : VF062203.D
 Acq On : 18 Apr 2019 14:18
 Operator : FY/SY
 Sample : VF0418SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0418SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/19/2019 10:52:13 AM

Quant Time: Apr 19 02:14:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 07:43:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	397865	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.77	114	619176	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	468772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	266805	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	209307	57.37	ug/l	0.00
Spiked Amount			Recovery	=	114.74%	
35) Dibromofluoromethane	4.30	113	277965	51.32	ug/l	0.00
Spiked Amount			Recovery	=	102.64%	
50) Toluene-d8	7.70	98	772389	56.34	ug/l	0.00
Spiked Amount			Recovery	=	112.68%	
62) 4-Bromofluorobenzene	11.49	95	293141	55.58	ug/l	0.00
Spiked Amount			Recovery	=	111.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	135533	22.416	ug/l	95
3) Chloromethane	1.15	50	136353	21.818	ug/l	98
4) Vinyl Chloride	1.19	62	120567	22.455	ug/l	100
5) Bromomethane	1.40	94	64658	20.730	ug/l	99
6) Chloroethane	1.44	64	43143	19.221	ug/l #	87
7) Trichlorofluoromethane	1.55	101	146797	21.521	ug/l	95
8) Diethyl Ether	1.71	74	29913	21.071	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.90	101	101760	21.838	ug/l	96
10) Methyl Iodide	1.98	142	184005	22.228	ug/l	90
11) Tert butyl alcohol	2.70	59	30007	118.328	ug/l #	90
12) 1,1-Dichloroethene	1.86	96	96703	21.819	ug/l	99
13) Acrolein	2.11	56	18762	160.224	ug/l #	81
14) Allyl chloride	2.19	41	112370	22.092	ug/l #	89
15) Acrylonitrile	3.09	53	78697	101.889	ug/l	97
16) Acetone	2.35	43	94550	108.427	ug/l	99
17) Carbon Disulfide	1.92	76	269904m	21.916	ug/l	
18) Methyl Acetate	2.46	43	48165	22.421	ug/l	97
19) Methyl tert-butyl Ether	2.55	73	178792	22.848	ug/l	100
20) Methylene Chloride	2.33	84	110337	22.293	ug/l	95
21) trans-1,2-Dichloroethene	2.42	96	93935	21.432	ug/l	96
22) Diisopropyl ether	2.93	45	292246	22.462	ug/l	99
23) Vinyl Acetate	3.34	43	731142	117.945	ug/l	100
24) 1,1-Dichloroethane	3.01	63	158201	22.227	ug/l	99
25) 2-Butanone	4.52	43	185058	106.133	ug/l	98
26) 2,2-Dichloropropane	3.77	77	78259	21.779	ug/l	97
27) cis-1,2-Dichloroethene	3.64	96	122063	21.506	ug/l	98
28) Bromochloromethane	3.90	49	71631	21.010	ug/l #	99
29) Tetrahydrofuran	4.26	42	83549	105.861	ug/l	95
30) Chloroform	4.05	83	187307	21.414	ug/l	99
31) Cyclohexane	3.88	56	179167	21.006	ug/l	92
32) 1,1,1-Trichloroethane	4.28	97	149883	23.409	ug/l #	86
36) 1,1-Dichloropropene	4.47	75	150159	20.227	ug/l	99
37) Ethyl Acetate	4.30	43	67254	19.199	ug/l #	97
38) Carbon Tetrachloride	4.18	117	143303m	21.809	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	189747	21.348	ug/l	96
40) Benzene	4.82	78	389806	20.019	ug/l	98
41) Methacrylonitrile	4.94	41	40782	20.183	ug/l	94
42) 1,2-Dichloroethane	5.12	62	102503	19.913	ug/l	96
43) Isopropyl Acetate	7.11	43	77403	21.009	ug/l	100
44) Trichloroethene	5.67	130	117014	22.239	ug/l	96
45) 1,2-Dichloropropane	6.40	63	94510	22.035	ug/l	99
46) Dibromomethane	6.26	93	63160	22.133	ug/l	96
47) Bromodichloromethane	6.55	83	140447	21.810	ug/l	99
48) Methyl methacrylate	6.88	41	48858	20.178	ug/l	97
49) 1,4-Dioxane	6.87	88	9913	356.987	ug/l	87
51) 4-Methyl-2-Pentanone	8.39	43	300509	109.661	ug/l	99
52) Toluene	7.77	92	228560	22.268	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	110535	22.853	ug/l	95
54) cis-1,3-Dichloropropene	7.46	75	152063	23.243	ug/l	98
55) 1,1,2-Trichloroethane	8.63	97	67354	23.424	ug/l	99
56) Ethyl methacrylate	8.75	69	71602	21.902	ug/l	97
57) 1,3-Dichloropropane	8.99	76	103808	22.358	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.45	63	108060	113.850	ug/l	98
59) 2-Hexanone	9.62	43	181508	106.293	ug/l	97
60) Dibromochloromethane	8.86	129	96170	22.489	ug/l	97
61) 1,2-Dibromoethane	9.12	107	71202	21.980	ug/l	93
64) Tetrachloroethene	8.30	164	98240	23.215	ug/l	98
65) Chlorobenzene	9.93	112	228612	22.871	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.05	131	109921	23.483	ug/l	99
67) Ethyl Benzene	10.02	91	425918	23.433	ug/l	98
68) m/p-Xylenes	10.26	106	308747	46.144	ug/l	97
69) o-Xylene	10.81	106	171061	23.027	ug/l	99
70) Styrene	10.89	104	250560	23.900	ug/l	98
71) Bromoform	10.88	173	58007	23.471	ug/l #	96
73) Isopropylbenzene	11.21	105	499287	21.785	ug/l	99
74) N-amyl acetate	11.44	43	126885	22.108	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.77	83	84680	21.484	ug/l	99
76) 1,2,3-Trichloropropane	11.86	75	57172m	21.083	ug/l	
77) Bromobenzene	11.58	156	108255	22.049	ug/l	97
78) n-propylbenzene	11.67	91	533754	22.077	ug/l	98
79) 2-Chlorotoluene	11.80	91	320625	21.862	ug/l	100
80) 1,3,5-Trimethylbenzene	11.89	105	418744	21.937	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.93	75	28568m	20.657	ug/l	
82) 4-Chlorotoluene	11.97	91	314742	22.206	ug/l	100
83) tert-Butylbenzene	12.19	119	446796	22.634	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	406110	21.985	ug/l	98
85) sec-Butylbenzene	12.37	105	555933	21.693	ug/l	98
86) p-Isopropyltoluene	12.52	119	486129	22.362	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	203601	22.347	ug/l	99
88) 1,4-Dichlorobenzene	12.62	146	196983	22.415	ug/l	98
89) n-Butylbenzene	12.89	91	473381	23.753	ug/l	98
90) Hexachloroethane	12.97	117	121300	21.729	ug/l	98
91) 1,2-Dichlorobenzene	13.00	146	196174	22.299	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	15931	20.572	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	169843	23.075	ug/l	97
94) Hexachlorobutadiene	14.22	225	111503	22.093	ug/l	99
95) Naphthalene	14.49	128	277851	21.589	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	163630	23.156	ug/l	99

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

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