

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052919\
 Data File : VF062777.D
 Acq On : 29 May 2019 12:41
 Operator : FY/SY
 Sample : VF0529SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBS01

Manual Integrations
 APPROVED

mmdadoda
 5/30/2019 11:02:05 AM

Quant Time: May 30 08:54:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	733347	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1228719	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	902266	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	469019	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.05	65	221016	42.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.30%	
35) Dibromofluoromethane	4.33	113	414617	44.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.20%	
50) Toluene-d8	7.73	98	967029	43.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.16%	
62) 4-Bromofluorobenzene	11.50	95	361261	42.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	187457	18.784	ug/l	94
3) Chloromethane	1.14	50	160546	17.471	ug/l	99
4) Vinyl Chloride	1.19	62	167472	19.799	ug/l	99
5) Bromomethane	1.38	94	90260	19.506	ug/l	92
6) Chloroethane	1.45	64	59543	19.167	ug/l	100
7) Trichlorofluoromethane	1.56	101	247140	21.760	ug/l	89
8) Diethyl Ether	1.73	74	46568	20.697	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	1.92	101	152308	21.061	ug/l	95
10) Methyl Iodide	1.99	142	295526	20.802	ug/l	95
11) Tert butyl alcohol	2.72	59	36026	105.298	ug/l #	90
12) 1,1-Dichloroethene	1.87	96	129534	19.663	ug/l	99
13) Acrolein	2.11	56	28850	80.781	ug/l	84
14) Allyl chloride	2.21	41	131457	22.048	ug/l	100
15) Acrylonitrile	3.13	53	124190	128.681	ug/l #	91
16) Acetone	2.37	43	127129	94.560	ug/l	95
17) Carbon Disulfide	1.91	76	376795	19.297	ug/l #	93
18) Methyl Acetate	2.47	43	51362	24.311	ug/l	96
19) Methyl tert-butyl Ether	2.56	73	263110	22.341	ug/l	98
20) Methylene Chloride	2.30	84	142338m	21.122	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	149761	23.258	ug/l	94
22) Diisopropyl ether	2.95	45	308312	20.966	ug/l	96
23) Vinyl Acetate	3.36	43	1049360	105.783	ug/l	98
24) 1,1-Dichloroethane	3.03	63	230891	21.403	ug/l	99
25) 2-Butanone	4.54	43	299926	104.418	ug/l	95
26) 2,2-Dichloropropane	3.80	77	150473	24.378	ug/l	89
27) cis-1,2-Dichloroethene	3.67	96	249695	23.575	ug/l	93
28) Bromochloromethane	3.93	49	108138	17.873	ug/l	96
29) Tetrahydrofuran	4.29	42	133717	115.041	ug/l	98
30) Chloroform	4.07	83	338139	22.576	ug/l	98
31) Cyclohexane	3.90	56	295402	20.394	ug/l	94
32) 1,1,1-Trichloroethane	4.32	97	221983	22.316	ug/l	99
36) 1,1-Dichloropropene	4.50	75	258039	20.495	ug/l	98
37) Ethyl Acetate	4.33	43	103186	20.072	ug/l	82
38) Carbon Tetrachloride	4.21	117	199044	21.020	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	336806	22.232	ug/l	95
40) Benzene	4.85	78	801730	23.374	ug/l	99
41) Methacrylonitrile	4.95	41	56465	20.951	ug/l	94
42) 1,2-Dichloroethane	5.16	62	141813	20.733	ug/l	90
43) Isopropyl Acetate	7.14	43	135764	20.385	ug/l #	88
44) Trichloroethene	5.71	130	218540	22.670	ug/l	98
45) 1,2-Dichloropropane	6.43	63	198423	22.916	ug/l	96
46) Dibromomethane	6.28	93	121048	24.190	ug/l	94
47) Bromodichloromethane	6.58	83	234704	22.593	ug/l #	98
48) Methyl methacrylate	6.90	41	69980	20.103	ug/l	97
49) 1,4-Dioxane	6.91	88	16601	372.341	ug/l #	70
51) 4-Methyl-2-Pentanone	8.42	43	535802	117.697	ug/l	99
52) Toluene	7.80	92	417915	23.232	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	197789	23.272	ug/l	94
54) cis-1,3-Dichloropropene	7.48	75	280034	23.538	ug/l	99
55) 1,1,2-Trichloroethane	8.66	97	136264	25.584	ug/l	97
56) Ethyl methacrylate	8.77	69	134210	21.151	ug/l	97
57) 1,3-Dichloropropane	9.01	76	214267	23.618	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.47	63	222102	107.532	ug/l	96
59) 2-Hexanone	9.64	43	371373	115.818	ug/l	98
60) Dibromochloromethane	8.88	129	165953	23.907	ug/l	98
61) 1,2-Dibromoethane	9.15	107	134645	23.801	ug/l	95
64) Tetrachloroethene	8.33	164	162882	22.787	ug/l	96
65) Chlorobenzene	9.95	112	436687	24.642	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.07	131	184253	25.899	ug/l	94
67) Ethyl Benzene	10.04	91	793528	25.776	ug/l	97
68) m/p-Xylenes	10.27	106	593771	51.317	ug/l	90
69) o-Xylene	10.83	106	302266	25.362	ug/l	99
70) Styrene	10.90	104	453517	25.036	ug/l	97
71) Bromoform	10.89	173	88398	24.810	ug/l #	89
73) Isopropylbenzene	11.23	105	766983	22.817	ug/l	96
74) N-amyl acetate	11.45	43	225506	23.506	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	166606	24.252	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	106004	23.484	ug/l	91
77) Bromobenzene	11.59	156	190815	22.836	ug/l	95
78) n-propylbenzene	11.68	91	930912	23.400	ug/l	92
79) 2-Chlorotoluene	11.81	91	517687	23.090	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	647902	24.037	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.95	75	49358m	24.600	ug/l	
82) 4-Chlorotoluene	11.99	91	541750	24.503	ug/l	100
83) tert-Butylbenzene	12.20	119	644612	23.572	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	608696	23.332	ug/l	97
85) sec-Butylbenzene	12.38	105	865793	23.591	ug/l	97
86) p-Isopropyltoluene	12.53	119	697581	22.555	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	345045	22.825	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	326844	23.039	ug/l	97
89) n-Butylbenzene	12.90	91	703869	23.082	ug/l	91
90) Hexachloroethane	12.98	117	167822	22.619	ug/l	95
91) 1,2-Dichlorobenzene	13.00	146	304299	22.582	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.69	75	19816	24.180	ug/l	61

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	204436	21.195	ug/l	97
94) Hexachlorobutadiene	14.23	225	145235	21.576	ug/l	94
95) Naphthalene	14.50	128	343138	19.582	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	192144	21.030	ug/l	97

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

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