

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051719\
 Data File : VF062632.D
 Acq On : 17 May 2019 11:48
 Operator : FY/SY
 Sample : VF0517SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0517SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 2:51:51 PM

Quant Time: May 17 16:11:15 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	5.06	168	938338	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	1562806	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	1260975	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	518056	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	304177	45.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.74%	
35) Dibromofluoromethane	4.31	113	571377	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	
50) Toluene-d8	7.72	98	1325850	46.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.88%	
62) 4-Bromofluorobenzene	11.50	95	429005	39.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	226769	17.759	ug/l	99
3) Chloromethane	1.15	50	210532	17.906	ug/l	97
4) Vinyl Chloride	1.20	62	207891	19.208	ug/l	100
5) Bromomethane	1.40	94	101069	17.070	ug/l	87
6) Chloroethane	1.44	64	63502	15.976	ug/l	90
7) Trichlorofluoromethane	1.57	101	258309	17.775	ug/l	92
8) Diethyl Ether	1.72	74	50940	17.694	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.91	101	156615	16.925	ug/l	95
10) Methyl Iodide	1.98	142	324600	17.857	ug/l	95
11) Tert butyl alcohol	2.72	59	48289	110.307	ug/l #	92
12) 1,1-Dichloroethene	1.88	96	143345	17.005	ug/l	97
13) Acrolein	2.11	56	42180	92.304	ug/l	99
14) Allyl chloride	2.20	41	173680	22.766	ug/l	98
15) Acrylonitrile	3.09	53	111952	90.659	ug/l	96
16) Acetone	2.36	43	121678	70.733	ug/l	98
17) Carbon Disulfide	1.93	76	434759m	17.401	ug/l	
18) Methyl Acetate	2.47	43	46271	17.117	ug/l	94
19) Methyl tert-butyl Ether	2.56	73	309121	20.514	ug/l	97
20) Methylene Chloride	2.34	84	157079	18.217	ug/l	98
21) trans-1,2-Dichloroethene	2.43	96	158470	19.234	ug/l	94
22) Diisopropyl ether	2.94	45	392177	20.843	ug/l	99
23) Vinyl Acetate	3.36	43	1361723	107.283	ug/l	100
24) 1,1-Dichloroethane	3.02	63	288926	20.931	ug/l	99
25) 2-Butanone	4.54	43	340860	92.744	ug/l	97
26) 2,2-Dichloropropane	3.79	77	198145	25.088	ug/l	92
27) cis-1,2-Dichloroethene	3.66	96	281983	20.807	ug/l	90
28) Bromochloromethane	3.91	49	147547	19.059	ug/l	95
29) Tetrahydrofuran	4.28	42	143662	96.595	ug/l	97
30) Chloroform	4.07	83	436759	22.790	ug/l	100
31) Cyclohexane	3.89	56	402271	21.704	ug/l	98
32) 1,1,1-Trichloroethane	4.30	97	288760	22.687	ug/l	96
36) 1,1-Dichloropropene	4.48	75	328954	20.542	ug/l	96
37) Ethyl Acetate	4.31	43	133159	20.365	ug/l #	96
38) Carbon Tetrachloride	4.20	117	255628m	21.225	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	398540	20.683	ug/l	97
40) Benzene	4.84	78	906272	20.774	ug/l	100
41) Methacrylonitrile	4.94	41	69810	20.365	ug/l	93
42) 1,2-Dichloroethane	5.14	62	172818	19.865	ug/l	99
43) Isopropyl Acetate	7.12	43	157054	18.540	ug/l #	93
44) Trichloroethene	5.69	130	268135	21.868	ug/l	100
45) 1,2-Dichloropropane	6.42	63	222045	20.162	ug/l	97
46) Dibromomethane	6.27	93	130758	20.545	ug/l	98
47) Bromodichloromethane	6.56	83	271198	20.525	ug/l	95
48) Methyl methacrylate	6.90	41	81574	18.424	ug/l	93
49) 1,4-Dioxane	6.88	88	22365	394.387	ug/l	96
51) 4-Methyl-2-Pentanone	8.41	43	539634	93.198	ug/l	97
52) Toluene	7.79	92	505391	22.089	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	228110	21.102	ug/l	98
54) cis-1,3-Dichloropropene	7.47	75	323859	21.402	ug/l	99
55) 1,1,2-Trichloroethane	8.65	97	143101	21.124	ug/l	98
56) Ethyl methacrylate	8.77	69	162700	20.159	ug/l	92
57) 1,3-Dichloropropane	9.01	76	245654	21.289	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.46	63	265823	101.187	ug/l	98
59) 2-Hexanone	9.64	43	387074	91.444	ug/l	93
60) Dibromochloromethane	8.87	129	177672	20.123	ug/l	97
61) 1,2-Dibromoethane	9.14	107	157762	21.925	ug/l	97
64) Tetrachloroethene	8.32	164	190805	19.100	ug/l	97
65) Chlorobenzene	9.94	112	524579	21.181	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	215285	21.653	ug/l	99
67) Ethyl Benzene	10.04	91	909400	21.136	ug/l	97
68) m/p-Xylenes	10.27	106	726375	44.919	ug/l	91
69) o-Xylene	10.83	106	305625	18.349	ug/l	99
70) Styrene	10.90	104	545989	21.567	ug/l	98
71) Bromoform	10.89	173	100266	20.135	ug/l #	94
73) Isopropylbenzene	11.22	105	807236	21.741	ug/l	96
74) N-amyl acetate	11.45	43	200072	17.691	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	161724	21.313	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	103728	20.805	ug/l	96
77) Bromobenzene	11.59	156	204783	22.188	ug/l	98
78) n-propylbenzene	11.68	91	1011163	23.011	ug/l	92
79) 2-Chlorotoluene	11.80	91	561968	22.693	ug/l	96
80) 1,3,5-Trimethylbenzene	11.90	105	627775	21.086	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.94	75	42453m	19.156	ug/l	
82) 4-Chlorotoluene	11.98	91	523783	21.448	ug/l	99
83) tert-Butylbenzene	12.20	119	664208	21.990	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	520826	18.074	ug/l	90
85) sec-Butylbenzene	12.38	105	890145	21.959	ug/l	99
86) p-Isopropyltoluene	12.52	119	763321	22.344	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	378430	22.663	ug/l	96
88) 1,4-Dichlorobenzene	12.63	146	334672	21.358	ug/l	96
89) n-Butylbenzene	12.90	91	768204	22.807	ug/l	90
90) Hexachloroethane	12.98	117	173159	21.130	ug/l	94
91) 1,2-Dichlorobenzene	13.01	146	318668	21.410	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.70	75	20565	22.718	ug/l	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	226814	21.289	ug/l	99
94) Hexachlorobutadiene	14.24	225	161160	21.675	ug/l	92
95) Naphthalene	14.50	128	351867	18.179	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	204510	20.265	ug/l	97

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

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