

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051719\
 Data File : VF062633.D
 Acq On : 17 May 2019 12:17
 Operator : FY/SY
 Sample : VF0517SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0517SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 2:51:56 PM

Quant Time: May 18 01:49:53 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	5.07	168	758943	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1235647	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	924273	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	451019	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.05	65	238246	44.42	ug/l	0.01
Spiked Amount	50.000		Recovery	=	88.84%	
35) Dibromofluoromethane	4.32	113	448970	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	
50) Toluene-d8	7.72	98	1044519	46.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.54%	
62) 4-Bromofluorobenzene	11.51	95	370796	43.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	210813	20.412	ug/l	100
3) Chloromethane	1.16	50	192375	20.229	ug/l	97
4) Vinyl Chloride	1.19	62	182349	20.831	ug/l	99
5) Bromomethane	1.39	94	97531	20.366	ug/l #	75
6) Chloroethane	1.45	64	64192	19.967	ug/l #	81
7) Trichlorofluoromethane	1.57	101	166516	14.167	ug/l	98
8) Diethyl Ether	1.72	74	51175	21.978	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.92	101	162768	21.748	ug/l	97
10) Methyl Iodide	2.00	142	253733	17.258	ug/l	98
11) Tert butyl alcohol	2.71	59	37256	105.221	ug/l #	90
12) 1,1-Dichloroethene	1.88	96	140319	20.581	ug/l	95
13) Acrolein	2.11	56	42224	114.242	ug/l	96
14) Allyl chloride	2.21	41	118544	19.211	ug/l	97
15) Acrylonitrile	3.10	53	161872	162.070	ug/l #	90
16) Acetone	2.36	43	126233	90.727	ug/l	90
17) Carbon Disulfide	1.92	76	180017	8.908	ug/l	100
18) Methyl Acetate	2.48	43	48794	22.317	ug/l	97
19) Methyl tert-butyl Ether	2.56	73	270656	22.207	ug/l	97
20) Methylene Chloride	2.35	84	98882	14.179	ug/l	94
21) trans-1,2-Dichloroethene	2.43	96	126852	19.036	ug/l	97
22) Diisopropyl ether	2.95	45	323815	21.277	ug/l	98
23) Vinyl Acetate	3.35	43	1198197	116.713	ug/l	98
24) 1,1-Dichloroethane	3.02	63	247025	22.126	ug/l	98
25) 2-Butanone	4.54	43	320681	107.878	ug/l	100
26) 2,2-Dichloropropane	3.79	77	147064	23.022	ug/l	87
27) cis-1,2-Dichloroethene	3.66	96	252710	23.055	ug/l	97
28) Bromochloromethane	3.92	49	120082	19.178	ug/l	97
29) Tetrahydrofuran	4.29	42	138194	114.883	ug/l	97
30) Chloroform	4.06	83	334855	21.602	ug/l	100
31) Cyclohexane	3.89	56	227291	15.162	ug/l	96
32) 1,1,1-Trichloroethane	4.30	97	225939	21.948	ug/l	94
36) 1,1-Dichloropropene	4.49	75	288007	22.747	ug/l	96
37) Ethyl Acetate	4.32	43	119928	23.198	ug/l #	74
38) Carbon Tetrachloride	4.20	117	189934	19.946	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	349618	22.948	ug/l	95
40) Benzene	4.84	78	781855	22.667	ug/l	97
41) Methacrylonitrile	4.94	41	61690	22.761	ug/l	96
42) 1,2-Dichloroethane	5.15	62	152906	22.229	ug/l	93
43) Isopropyl Acetate	7.13	43	138416	20.667	ug/l	93
44) Trichloroethene	5.70	130	220731	22.769	ug/l	93
45) 1,2-Dichloropropane	6.42	63	198736	22.824	ug/l	98
46) Dibromomethane	6.27	93	118079	23.465	ug/l	98
47) Bromodichloromethane	6.57	83	235217	22.515	ug/l	97
48) Methyl methacrylate	6.89	41	74288	21.221	ug/l	94
49) 1,4-Dioxane	6.88	88	20340	453.644	ug/l #	77
51) 4-Methyl-2-Pentanone	8.41	43	518501	113.258	ug/l	96
52) Toluene	7.79	92	415405	22.963	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	186502	21.821	ug/l	97
54) cis-1,3-Dichloropropene	7.47	75	275252	23.006	ug/l	98
55) 1,1,2-Trichloroethane	8.65	97	118159	22.060	ug/l	95
56) Ethyl methacrylate	8.77	69	141371	22.154	ug/l	94
57) 1,3-Dichloropropane	9.01	76	213307	23.381	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.46	63	227085	109.328	ug/l	100
59) 2-Hexanone	9.63	43	355327	109.260	ug/l	100
60) Dibromochloromethane	8.87	129	158506	22.706	ug/l	95
61) 1,2-Dibromoethane	9.14	107	131555	23.124	ug/l	96
64) Tetrachloroethene	8.31	164	168266	22.980	ug/l	95
65) Chlorobenzene	9.95	112	422994	23.301	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.08	131	167489	22.982	ug/l	96
67) Ethyl Benzene	10.04	91	721443	22.876	ug/l	94
68) m/p-Xylenes	10.26	106	497531	41.975	ug/l	88
69) o-Xylene	10.83	106	277761	22.751	ug/l	99
70) Styrene	10.90	104	405675	21.862	ug/l	98
71) Bromoform	10.88	173	79398	21.753	ug/l #	97
73) Isopropylbenzene	11.22	105	769291	23.799	ug/l	94
74) N-amyl acetate	11.46	43	210169	22.595	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	150047	22.713	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	95662	22.039	ug/l	97
77) Bromobenzene	11.58	156	182028	22.654	ug/l	96
78) n-propylbenzene	11.68	91	860392	22.490	ug/l	95
79) 2-Chlorotoluene	11.80	91	487224	22.599	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	594457	22.934	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.95	75	42450m	22.001	ug/l	
82) 4-Chlorotoluene	11.98	91	505101	23.757	ug/l	96
83) tert-Butylbenzene	12.21	119	601922	22.889	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	573268	22.851	ug/l	96
85) sec-Butylbenzene	12.37	105	786083	22.274	ug/l	94
86) p-Isopropyltoluene	12.52	119	709332	23.850	ug/l	97
87) 1,3-Dichlorobenzene	12.54	146	329571	22.671	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	320433	23.489	ug/l	98
89) n-Butylbenzene	12.91	91	683309	23.302	ug/l	93
90) Hexachloroethane	12.98	117	161758	22.672	ug/l	72
91) 1,2-Dichlorobenzene	13.00	146	300875	23.219	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	17398	22.076	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	213274	22.993	ug/l	94
94) Hexachlorobutadiene	14.24	225	144737	22.360	ug/l	98
95) Naphthalene	14.50	128	365555	21.694	ug/l	98
96) 1,2,3-Trichlorobenzene	14.64	180	196845	22.405	ug/l	97

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

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