

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052319\
 Data File : VF062722.D
 Acq On : 23 May 2019 13:05
 Operator : FY/SY
 Sample : VF0523SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0523SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 11:15:58 AM

Quant Time: May 24 02:27:30 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	776413	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	1287892	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	985815	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	493526	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	242988	44.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.58%	
35) Dibromofluoromethane	4.31	113	479270	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	
50) Toluene-d8	7.71	98	1070544	45.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.00%	
62) 4-Bromofluorobenzene	11.50	95	384053	43.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	203930	19.301	ug/l	94
3) Chloromethane	1.14	50	205778	21.151	ug/l	99
4) Vinyl Chloride	1.19	62	176956	19.760	ug/l	96
5) Bromomethane	1.37	94	95606	19.515	ug/l	94
6) Chloroethane	1.43	64	63001	19.155	ug/l #	83
7) Trichlorofluoromethane	1.55	101	275007	22.871	ug/l	100
8) Diethyl Ether	1.72	74	45782	19.219	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.91	101	167780	21.913	ug/l	93
10) Methyl Iodide	1.97	142	346280	23.023	ug/l	98
11) Tert butyl alcohol	2.70	59	32724	90.342	ug/l	97
12) 1,1-Dichloroethene	1.87	96	138078	19.797	ug/l	90
13) Acrolein	2.10	56	32564	86.123	ug/l	100
14) Allyl chloride	2.20	41	164577	26.072	ug/l	98
15) Acrylonitrile	3.09	53	109714	107.376	ug/l	89
16) Acetone	2.35	43	125952	88.488	ug/l	96
17) Carbon Disulfide	1.91	76	444777	21.515	ug/l #	93
18) Methyl Acetate	2.47	43	53569	23.950	ug/l #	89
19) Methyl tert-butyl Ether	2.55	73	263198	21.109	ug/l	97
20) Methylene Chloride	2.29	84	157208	22.035	ug/l	96
21) trans-1,2-Dichloroethene	2.43	96	149045	21.863	ug/l	91
22) Diisopropyl ether	2.94	45	341584	21.940	ug/l	98
23) Vinyl Acetate	3.34	43	1101767	104.905	ug/l	99
24) 1,1-Dichloroethane	3.02	63	261920	22.932	ug/l	98
25) 2-Butanone	4.53	43	294439	96.822	ug/l	97
26) 2,2-Dichloropropane	3.78	77	180696	27.651	ug/l	87
27) cis-1,2-Dichloroethene	3.65	96	237880	21.213	ug/l	98
28) Bromochloromethane	3.91	49	133573	20.852	ug/l	93
29) Tetrahydrofuran	4.27	42	123345	100.231	ug/l	96
30) Chloroform	4.05	83	358548	22.610	ug/l	97
31) Cyclohexane	3.89	56	332413	21.676	ug/l	95
32) 1,1,1-Trichloroethane	4.29	97	249727	23.713	ug/l	97
36) 1,1-Dichloropropene	4.48	75	272844	20.675	ug/l	98
37) Ethyl Acetate	4.30	43	104742	19.439	ug/l #	87
38) Carbon Tetrachloride	4.19	117	227181	22.890	ug/l #	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	360768	22.720	ug/l	96
40) Benzene	4.83	78	786457	21.875	ug/l	98
41) Methacrylonitrile	4.93	41	55882	19.782	ug/l	96
42) 1,2-Dichloroethane	5.13	62	155484	21.687	ug/l	97
43) Isopropyl Acetate	7.12	43	130180	18.648	ug/l #	96
44) Trichloroethene	5.69	130	232541	23.014	ug/l	85
45) 1,2-Dichloropropane	6.41	63	191979	21.153	ug/l	95
46) Dibromomethane	6.26	93	110298	21.029	ug/l	98
47) Bromodichloromethane	6.56	83	223459	20.522	ug/l	99
48) Methyl methacrylate	6.88	41	64945	17.799	ug/l	94
49) 1,4-Dioxane	6.87	88	16650	356.282	ug/l #	78
51) 4-Methyl-2-Pentanone	8.40	43	493912	103.510	ug/l	99
52) Toluene	7.78	92	419678	22.258	ug/l	94
53) t-1,3-Dichloropropene	8.42	75	191621	21.510	ug/l	96
54) cis-1,3-Dichloropropene	7.46	75	263515	21.132	ug/l	99
55) 1,1,2-Trichloroethane	8.64	97	126174	22.601	ug/l	94
56) Ethyl methacrylate	8.76	69	135948	20.440	ug/l	99
57) 1,3-Dichloropropane	9.00	76	206142	21.679	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.45	63	203415	93.960	ug/l	99
59) 2-Hexanone	9.62	43	347551	101.352	ug/l	100
60) Dibromochloromethane	8.85	129	166045	22.821	ug/l	97
61) 1,2-Dibromoethane	9.13	107	135742	22.892	ug/l	96
64) Tetrachloroethene	8.30	164	169262	21.673	ug/l	95
65) Chlorobenzene	9.93	112	425818	21.992	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.06	131	179531	23.097	ug/l	99
67) Ethyl Benzene	10.03	91	762035	22.655	ug/l	95
68) m/p-Xylenes	10.25	106	593446	46.942	ug/l	91
69) o-Xylene	10.82	106	297391	22.838	ug/l	96
70) Styrene	10.89	104	415491	20.993	ug/l	95
71) Bromoform	10.88	173	84003	21.578	ug/l #	99
73) Isopropylbenzene	11.21	105	789121	22.309	ug/l	98
74) N-amyl acetate	11.45	43	202626	19.189	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.77	83	163272	22.587	ug/l	92
76) 1,2,3-Trichloropropane	11.87	75	103901	21.875	ug/l	100
77) Bromobenzene	11.58	156	184749	21.013	ug/l	94
78) n-propylbenzene	11.67	91	959876	22.930	ug/l	95
79) 2-Chlorotoluene	11.79	91	536449	22.739	ug/l	97
80) 1,3,5-Trimethylbenzene	11.89	105	665055	23.448	ug/l	90
81) trans-1,4-Dichloro-2-buten	11.94	75	48937m	23.179	ug/l	
82) 4-Chlorotoluene	11.97	91	529466	22.759	ug/l	98
83) tert-Butylbenzene	12.20	119	598348	20.794	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	652059	23.753	ug/l	96
85) sec-Butylbenzene	12.36	105	871377	22.564	ug/l	92
86) p-Isopropyltoluene	12.51	119	746115	22.926	ug/l	98
87) 1,3-Dichlorobenzene	12.53	146	360466	22.661	ug/l	99
88) 1,4-Dichlorobenzene	12.62	146	339018	22.711	ug/l	99
89) n-Butylbenzene	12.90	91	735366	22.917	ug/l	94
90) Hexachloroethane	12.98	117	181588	23.259	ug/l	71
91) 1,2-Dichlorobenzene	12.99	146	311297	21.954	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.68	75	21098	24.465	ug/l	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	206182	20.314	ug/l	98
94) Hexachlorobutadiene	14.23	225	152631	21.548	ug/l	96
95) Naphthalene	14.49	128	338400	18.352	ug/l	98
96) 1,2,3-Trichlorobenzene	14.63	180	193472	20.124	ug/l	99

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

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