

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051619\
 Data File : VF062628.D
 Acq On : 16 May 2019 16:15
 Operator : FY/SY
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICSVF051619

Manual Integrations
 APPROVED

MMDadoda
 5/17/2019 4:20:35 PM

Quant Time: May 17 06:24:32 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	802070	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.78	114	1301370	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.92	117	984012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	503719	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	267260	47.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.30%	
35) Dibromofluoromethane	4.32	113	470488	47.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.50%	
50) Toluene-d8	7.72	98	1137764	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
62) 4-Bromofluorobenzene	11.50	95	419695	46.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	496268	45.467	ug/l	99
3) Chloromethane	1.15	50	452474	45.021	ug/l	95
4) Vinyl Chloride	1.19	62	442938	47.879	ug/l	94
5) Bromomethane	1.41	94	259863	51.346	ug/l	92
6) Chloroethane	1.46	64	166481	48.999	ug/l	92
7) Trichlorofluoromethane	1.57	101	607095	48.874	ug/l	87
8) Diethyl Ether	1.72	74	118933	48.330	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.92	101	378601	47.866	ug/l	94
10) Methyl Iodide	2.00	142	762910m	49.101	ug/l	
11) Tert butyl alcohol	2.70	59	88766	237.219	ug/l	99
12) 1,1-Dichloroethene	1.88	96	357035	49.552	ug/l	97
13) Acrolein	2.11	56	84949	217.480	ug/l	89
14) Allyl chloride	2.21	41	308883	47.367	ug/l	96
15) Acrylonitrile	3.11	53	295521	279.972	ug/l	96
16) Acetone	2.36	43	336829	229.071	ug/l	93
17) Carbon Disulfide	1.92	76	1061713m	49.715	ug/l	
18) Methyl Acetate	2.46	43	103153	44.642	ug/l	96
19) Methyl tert-butyl Ether	2.55	73	616804	47.887	ug/l	96
20) Methylene Chloride	2.35	84	345608m	46.892	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	350175	49.723	ug/l	97
22) Diisopropyl ether	2.95	45	805240	50.066	ug/l	98
23) Vinyl Acetate	3.35	43	2674852	246.540	ug/l	99
24) 1,1-Dichloroethane	3.02	63	590864	50.078	ug/l	99
25) 2-Butanone	4.53	43	742420	236.324	ug/l	98
26) 2,2-Dichloropropane	3.79	77	313638	46.459	ug/l	95
27) cis-1,2-Dichloroethene	3.66	96	565545	48.820	ug/l	97
28) Bromochloromethane	3.91	49	275308	41.604	ug/l	99
29) Tetrahydrofuran	4.28	42	304286	239.356	ug/l	99
30) Chloroform	4.06	83	782976	47.796	ug/l	97
31) Cyclohexane	3.88	56	762882m	48.154	ug/l	
32) 1,1,1-Trichloroethane	4.30	97	536646	49.327	ug/l	96
36) 1,1-Dichloropropene	4.49	75	671676	50.369	ug/l	99
37) Ethyl Acetate	4.31	43	258555	47.487	ug/l	85
38) Carbon Tetrachloride	4.19	117	449917	44.862	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	782055	48.740	ug/l	97
40) Benzene	4.83	78	1815304	49.969	ug/l	98
41) Methacrylonitrile	4.94	41	147062	51.519	ug/l	95
42) 1,2-Dichloroethane	5.14	62	361596	49.914	ug/l	99
43) Isopropyl Acetate	7.12	43	307649	43.614	ug/l #	90
44) Trichloroethene	5.69	130	500460	49.016	ug/l	97
45) 1,2-Dichloropropane	6.42	63	451304	49.212	ug/l	99
46) Dibromomethane	6.27	93	259581	48.978	ug/l	97
47) Bromodichloromethane	6.56	83	541013	49.171	ug/l	99
48) Methyl methacrylate	6.88	41	174041	47.205	ug/l	96
49) 1,4-Dioxane	6.88	88	44499	942.341	ug/l	95
51) 4-Methyl-2-Pentanone	8.41	43	1114668	231.184	ug/l	100
52) Toluene	7.79	92	961323	50.457	ug/l	98
53) t-1,3-Dichloropropene	8.43	75	454723	50.516	ug/l	100
54) cis-1,3-Dichloropropene	7.46	75	636692	50.529	ug/l	96
55) 1,1,2-Trichloroethane	8.64	97	273423	48.470	ug/l	97
56) Ethyl methacrylate	8.76	69	316897	47.153	ug/l	92
57) 1,3-Dichloropropane	9.00	76	460854	47.963	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.45	63	554880	253.650	ug/l	98
59) 2-Hexanone	9.62	43	777745	247.770	ug/l	98
60) Dibromochloromethane	8.86	129	381873	51.940	ug/l	98
61) 1,2-Dibromoethane	9.14	107	303631	50.675	ug/l	98
64) Tetrachloroethene	8.31	164	397207	50.953	ug/l	96
65) Chlorobenzene	9.94	112	988511	51.147	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	395032	50.914	ug/l	98
67) Ethyl Benzene	10.03	91	1703320	50.732	ug/l	99
68) m/p-Xylenes	10.26	106	1286872	101.979	ug/l	95
69) o-Xylene	10.82	106	669050	51.475	ug/l	95
70) Styrene	10.89	104	964456	48.819	ug/l	99
71) Bromoform	10.88	173	199296	51.287	ug/l	93
73) Isopropylbenzene	11.22	105	1772252	49.090	ug/l	100
74) N-amyl acetate	11.45	43	426833	46.039	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	335395	45.459	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	224866	46.385	ug/l	86
77) Bromobenzene	11.58	156	422569	47.089	ug/l	99
78) n-propylbenzene	11.67	91	2013751	47.132	ug/l	97
79) 2-Chlorotoluene	11.80	91	1169600	48.574	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	1400206	48.369	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.94	75	104612m	48.546	ug/l	
82) 4-Chlorotoluene	11.98	91	1133795	47.749	ug/l	99
83) tert-Butylbenzene	12.20	119	1447337	49.280	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	1353674	48.314	ug/l	99
85) sec-Butylbenzene	12.37	105	1993577	50.579	ug/l	100
86) p-Isopropyltoluene	12.52	119	1675145	50.431	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	794544	48.938	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	746172	48.974	ug/l	97
89) n-Butylbenzene	12.90	91	1513094	46.201	ug/l	98
90) Hexachloroethane	12.97	117	402433	50.504	ug/l	93
91) 1,2-Dichlorobenzene	13.00	146	690624	47.720	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	44751	50.844	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	518321	50.034	ug/l	99
94) Hexachlorobutadiene	14.23	225	370565	51.258	ug/l	97
95) Naphthalene	14.50	128	882234	46.878	ug/l	98
96) 1,2,3-Trichlorobenzene	14.64	180	488617	49.796	ug/l	96

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

