

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011519\
 Data File : VF061411.D
 Acq On : 15 Jan 2019 17:50
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV011519

Manual Integrations
 APPROVED

apatel
 1/16/2019 4:06:13 PM

Quant Time: Jan 16 05:52:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	191813	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	336582	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	311185	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	147293	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	111127	46.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.86%	
35) Dibromofluoromethane	4.10	113	127719	48.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.18%	
50) Toluene-d8	7.55	98	384908	52.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.80%	
62) 4-Bromofluorobenzene	11.41	95	158252	46.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	179728	47.688	ug/l	90
3) Chloromethane	1.09	50	132531	47.958	ug/l	97
4) Vinyl Chloride	1.13	62	116191	47.266	ug/l	97
5) Bromomethane	1.33	94	80943	50.495	ug/l	94
6) Chloroethane	1.38	64	56689	52.044	ug/l	94
7) Trichlorofluoromethane	1.48	101	223940	46.860	ug/l	93
8) Diethyl Ether	1.62	74	28580	46.673	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.82	101	109664	47.758	ug/l	99
10) Methyl Iodide	1.90	142	181480m	50.980	ug/l	
11) Tert butyl alcohol	2.56	59	25267	252.064	ug/l	97
12) 1,1-Dichloroethene	1.78	96	91643	53.719	ug/l	93
13) Acrolein	1.99	56	23498	271.236	ug/l	93
14) Allyl chloride	2.09	41	150057	75.989	ug/l	92
15) Acrylonitrile	2.94	53	63562	247.548	ug/l	99
16) Acetone	2.23	43	103172	217.166	ug/l	97
17) Carbon Disulfide	1.81	76	280856	52.799	ug/l	99
18) Methyl Acetate	2.33	43	46472	49.325	ug/l	96
19) Methyl tert-butyl Ether	2.42	73	183596	48.007	ug/l	95
20) Methylene Chloride	2.17	84	86621m	53.847	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	94337	50.260	ug/l	97
22) Diisopropyl ether	2.79	45	311956	51.385	ug/l	99
23) Vinyl Acetate	3.18	43	766261	286.482	ug/l	100
24) 1,1-Dichloroethane	2.86	63	190880	50.096	ug/l	96
25) 2-Butanone	4.33	43	192046	243.082	ug/l	98
26) 2,2-Dichloropropane	3.59	77	103846	44.359	ug/l	96
27) cis-1,2-Dichloroethene	3.47	96	138689	50.055	ug/l	96
28) Bromochloromethane	3.71	49	88038	51.401	ug/l #	94
29) Tetrahydrofuran	4.06	42	80964	237.998	ug/l	96
30) Chloroform	3.85	83	248409	48.307	ug/l	95
31) Cyclohexane	3.69	56	205027	53.867	ug/l	95
32) 1,1,1-Trichloroethane	4.08	97	184348	48.892	ug/l	96
36) 1,1-Dichloropropene	4.27	75	194387	49.811	ug/l	96
37) Ethyl Acetate	4.11	43	77243	49.516	ug/l #	74
38) Carbon Tetrachloride	3.98	117	151959	44.540	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	223193	52.774	ug/l	97
40) Benzene	4.62	78	426502	49.115	ug/l	99
41) Methacrylonitrile	4.73	41	37268	44.898	ug/l	91
42) 1,2-Dichloroethane	4.94	62	149279	48.242	ug/l	96
43) Isopropyl Acetate	6.95	43	103143	52.682	ug/l	94
44) Trichloroethene	5.50	130	134993	50.676	ug/l	99
45) 1,2-Dichloropropane	6.23	63	114811	50.376	ug/l	95
46) Dibromomethane	6.08	93	74650	49.260	ug/l	98
47) Bromodichloromethane	6.38	83	186226	49.667	ug/l	96
48) Methyl methacrylate	6.71	41	63132	48.020	ug/l	92
49) 1,4-Dioxane	6.70	88	10186	1118.127	ug/l #	79
51) 4-Methyl-2-Pentanone	8.25	43	357362	248.283	ug/l	100
52) Toluene	7.62	92	274975	48.085	ug/l	100
53) t-1,3-Dichloropropene	8.27	75	151257	50.803	ug/l	95
54) cis-1,3-Dichloropropene	7.30	75	200720	53.934	ug/l	98
55) 1,1,2-Trichloroethane	8.49	97	84666	52.137	ug/l	94
56) Ethyl methacrylate	8.62	69	93520	49.500	ug/l	99
57) 1,3-Dichloropropane	8.85	76	145724	47.876	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.29	63	54229	271.113	ug/l	96
59) 2-Hexanone	9.49	43	242293	241.406	ug/l	98
60) Dibromochloromethane	8.71	129	117259	49.392	ug/l	95
61) 1,2-Dibromoethane	8.98	107	89422	48.101	ug/l	90
64) Tetrachloroethene	8.14	164	116167	49.641	ug/l	96
65) Chlorobenzene	9.79	112	323727	51.157	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	124558	49.410	ug/l	97
67) Ethyl Benzene	9.90	91	572539	49.520	ug/l	100
68) m/p-Xylenes	10.13	106	394116	94.775	ug/l	99
69) o-Xylene	10.71	106	230970	51.247	ug/l	95
70) Styrene	10.79	104	293340	47.548	ug/l	98
71) Bromoform	10.77	173	55508	49.006	ug/l #	98
73) Isopropylbenzene	11.12	105	634688	52.981	ug/l	97
74) N-amyl acetate	11.37	43	154268	54.459	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.70	83	107810	50.517	ug/l	98
76) 1,2,3-Trichloropropane	11.79	75	76227	49.709	ug/l	97
77) Bromobenzene	11.49	156	138517	54.750	ug/l	86
78) n-propylbenzene	11.59	91	736692	50.561	ug/l	98
79) 2-Chlorotoluene	11.72	91	428948	51.607	ug/l	98
80) 1,3,5-Trimethylbenzene	11.82	105	499043	51.620	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.86	75	32085m	48.131	ug/l	
82) 4-Chlorotoluene	11.89	91	429087	51.158	ug/l	97
83) tert-Butylbenzene	12.13	119	534330	53.399	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	506545	50.867	ug/l	99
85) sec-Butylbenzene	12.31	105	707465	52.062	ug/l	98
86) p-Isopropyltoluene	12.46	119	580382	52.029	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	247908	49.206	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	248080	51.891	ug/l	98
89) n-Butylbenzene	12.84	91	591985	51.458	ug/l	98
90) Hexachloroethane	12.92	117	140686	53.503	ug/l	92
91) 1,2-Dichlorobenzene	12.94	146	237503	50.182	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	19625	51.845	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	169622	51.161	ug/l	95
94) Hexachlorobutadiene	14.19	225	108348	52.665	ug/l	97
95) Naphthalene	14.46	128	336495	53.420	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	165615	53.962	ug/l	99

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

