

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF020719\
 Data File : VF061553.D
 Acq On : 7 Feb 2019 19:08
 Operator : VA/AP
 Sample : K1404-04MSD
 Misc : 5.96g/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 A0C12-SS1-7.5-8.0MSD

Manual Integrations
 APPROVED

MMDadoda
 2/11/2019 12:36:33 PM

Quant Time: Feb 09 05:00:46 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	163676	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	280864	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	265708	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	130728	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	104774	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	
35) Dibromofluoromethane	4.11	113	110883	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
50) Toluene-d8	7.55	98	297879	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
62) 4-Bromofluorobenzene	11.41	95	132673	46.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	142361	44.267	ug/l	90
3) Chloromethane	1.09	50	104169	44.175	ug/l	93
4) Vinyl Chloride	1.14	62	105588	50.337	ug/l	99
5) Bromomethane	1.33	94	71593	52.340	ug/l	92
6) Chloroethane	1.38	64	47673	51.290	ug/l	90
7) Trichlorofluoromethane	1.49	101	195446	47.928	ug/l	100
8) Diethyl Ether	1.63	74	29687	56.815	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.82	101	89899	45.880	ug/l	94
10) Methyl Iodide	1.89	142	159437m	52.487	ug/l	
11) Tert butyl alcohol	2.57	59	26154	305.765	ug/l #	91
12) 1,1-Dichloroethene	1.78	96	74958	51.492	ug/l	90
13) Acrolein	2.00	56	12901	178.201	ug/l	99
14) Allyl chloride	2.09	41	118061	71.467	ug/l	97
15) Acrylonitrile	2.94	53	70259	320.669	ug/l	98
16) Acetone	2.24	43	107077	264.130	ug/l	100
17) Carbon Disulfide	1.82	76	213330	46.999	ug/l	99
18) Methyl Acetate	2.35	43	57068	70.984	ug/l	96
19) Methyl tert-butyl Ether	2.43	73	178825	54.798	ug/l	96
20) Methylene Chloride	2.18	84	82252m	60.126	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	82155	51.294	ug/l	95
22) Diisopropyl ether	2.80	45	272378	52.578	ug/l	98
23) Vinyl Acetate	3.19	43	590300	258.945	ug/l	98
24) 1,1-Dichloroethane	2.87	63	167245	51.438	ug/l	97
25) 2-Butanone	4.33	43	180993	268.474	ug/l	98
26) 2,2-Dichloropropane	3.60	77	94646	47.379	ug/l	99
27) cis-1,2-Dichloroethene	3.47	96	117059	49.512	ug/l	89
28) Bromochloromethane	3.72	49	69054	47.248	ug/l	97
29) Tetrahydrofuran	4.06	42	84992	292.787	ug/l	96
30) Chloroform	3.86	83	225459	51.381	ug/l	99
31) Cyclohexane	3.69	56	152140m	46.843	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	164234	51.045	ug/l	97
36) 1,1-Dichloropropene	4.27	75	166901	51.252	ug/l	97
37) Ethyl Acetate	4.10	43	78660	60.428	ug/l	90
38) Carbon Tetrachloride	3.98	117	148232	52.067	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	150666	42.692	ug/l	95
40) Benzene	4.63	78	366891	50.632	ug/l	99
41) Methacrylonitrile	4.74	41	39348	56.808	ug/l	94
42) 1,2-Dichloroethane	4.94	62	142591	55.222	ug/l	96
43) Isopropyl Acetate	6.95	43	92666	56.720	ug/l #	91
44) Trichloroethene	5.50	130	110912	49.896	ug/l	99
45) 1,2-Dichloropropane	6.23	63	107660	56.610	ug/l	98
46) Dibromomethane	6.09	93	74239	58.707	ug/l	96
47) Bromodichloromethane	6.38	83	177838	56.839	ug/l	96
48) Methyl methacrylate	6.72	41	69991	63.798	ug/l	96
49) 1,4-Dioxane	6.70	88	9638	1277.841	ug/l #	81
51) 4-Methyl-2-Pentanone	8.26	43	355969	296.378	ug/l	99
52) Toluene	7.62	92	242555	50.830	ug/l	99
53) t-1,3-Dichloropropene	8.28	75	137233	55.237	ug/l	99
54) cis-1,3-Dichloropropene	7.30	75	177343	57.106	ug/l	98
55) 1,1,2-Trichloroethane	8.48	97	83534	61.645	ug/l	98
56) Ethyl methacrylate	8.62	69	91986	58.347	ug/l	95
57) 1,3-Dichloropropane	8.85	76	141481	55.703	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.29	63	62875	365.979	ug/l	98
59) 2-Hexanone	9.49	43	244416	291.831	ug/l	97
60) Dibromochloromethane	8.71	129	118254	59.692	ug/l	98
61) 1,2-Dibromoethane	8.99	107	87404	56.343	ug/l	93
64) Tetrachloroethene	8.15	164	95975	48.032	ug/l	99
65) Chlorobenzene	9.79	112	273399	50.598	ug/l	95
66) 1,1,1,2-Tetrachloroethane	9.93	131	116372	54.063	ug/l	98
67) Ethyl Benzene	9.89	91	494528	50.093	ug/l	99
68) m/p-Xylenes	10.13	106	329268	92.733	ug/l	99
69) o-Xylene	10.71	106	194229	50.471	ug/l	98
70) Styrene	10.79	104	254015	48.221	ug/l	99
71) Bromoform	10.77	173	61528	63.618	ug/l #	100
73) Isopropylbenzene	11.12	105	544738	51.234	ug/l	99
74) N-amyl acetate	11.36	43	152539	60.672	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.69	83	107318	56.658	ug/l	99
76) 1,2,3-Trichloropropane	11.79	75	78063	57.356	ug/l	99
77) Bromobenzene	11.49	156	124543	55.464	ug/l	96
78) n-propylbenzene	11.59	91	599372	45.810	ug/l	98
79) 2-Chlorotoluene	11.72	91	375009	50.834	ug/l	97
80) 1,3,5-Trimethylbenzene	11.83	105	437093	50.941	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	35601m	60.173	ug/l	
82) 4-Chlorotoluene	11.90	91	373034	50.110	ug/l	100
83) tert-Butylbenzene	12.12	119	463876	52.232	ug/l	95
84) 1,2,4-Trimethylbenzene	12.20	105	435823	49.311	ug/l	95
85) sec-Butylbenzene	12.30	105	575310	47.702	ug/l	95
86) p-Isopropyltoluene	12.46	119	473503	47.826	ug/l	98
87) 1,3-Dichlorobenzene	12.47	146	216127	48.233	ug/l	98
88) 1,4-Dichlorobenzene	12.57	146	211599	49.868	ug/l	96
89) n-Butylbenzene	12.84	91	474857	46.507	ug/l	98
90) Hexachloroethane	12.91	117	120496	51.631	ug/l	95
91) 1,2-Dichlorobenzene	12.94	146	209910	49.972	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	21791	64.862	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	149011	50.640	ug/l	98
94) Hexachlorobutadiene	14.18	225	81059	44.393	ug/l	96
95) Naphthalene	14.45	128	319597	57.166	ug/l	97
96) 1,2,3-Trichlorobenzene	14.60	180	139145	51.082	ug/l	100

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

