

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032319\
 Data File : VF062117.D
 Acq On : 23 Mar 2019 15:10
 Operator : VA/AP
 Sample : K2045-02MS
 Misc : 5.63g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 WP022SB439-190318-(13-14)MS

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 12:40:30 PM

Quant Time: Mar 25 04:09:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	19279	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.61	114	21551	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.78	117	11659	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.55	152	3400	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	2709	18.89	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	37.78%	
35) Dibromofluoromethane	4.12	113	5167	35.44	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	70.88%	
50) Toluene-d8	7.56	98	20911	48.05	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	96.10%	
62) 4-Bromofluorobenzene	11.42	95	4009	23.86	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	47.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	20730	83.934	ug/l	93
3) Chloromethane	1.08	50	14434	55.853	ug/l	90
4) Vinyl Chloride	1.13	62	19635	82.141	ug/l	95
5) Bromomethane	1.30	94	11291	65.710	ug/l	99
6) Chloroethane	1.36	64	8048	66.881	ug/l	97
7) Trichlorofluoromethane	1.45	101	26609	92.169	ug/l	95
8) Diethyl Ether	1.63	74	1178	17.863	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.81	101	16742	85.005	ug/l #	94
10) Methyl Iodide	1.85	142	18638	49.798	ug/l	96
11) Tert butyl alcohol	2.55	59	235	29.784	ug/l #	66
12) 1,1-Dichloroethene	1.76	96	13274	71.429	ug/l	97
13) Acrolein	2.00	56	1125	118.573	ug/l	97
14) Allyl chloride	2.10	41	11866	59.806	ug/l	95
15) Acrylonitrile	2.95	53	2267	81.708	ug/l #	74
16) Acetone	2.24	43	4121	136.545	ug/l #	84
17) Carbon Disulfide	1.77	76	43918	77.500	ug/l	97
18) Methyl Acetate	2.37	43	1536	21.336	ug/l #	56
19) Methyl tert-butyl Ether	2.44	73	4430	15.083	ug/l	96
20) Methylene Chloride	2.19	84	5558	29.299	ug/l #	91
21) trans-1,2-Dichloroethene	2.31	96	11147	62.342	ug/l	99
22) Diisopropyl ether	2.80	45	12868	24.737	ug/l #	94
23) Vinyl Acetate	3.19	43	8329	39.107	ug/l	97
24) 1,1-Dichloroethane	2.88	63	12381	39.689	ug/l	98
25) 2-Butanone	4.37	43	6905	109.593	ug/l #	71
26) 2,2-Dichloropropane	3.61	77	14428	114.072	ug/l	98
27) cis-1,2-Dichloroethene	3.48	96	8096	34.169	ug/l	89
28) Bromochloromethane	3.73	49	3201	25.115	ug/l #	74
29) Tetrahydrofuran	4.09	42	2427	88.596	ug/l #	45
30) Chloroform	3.87	83	11686	35.447	ug/l	97
31) Cyclohexane	3.69	56	23706	72.762	ug/l	95
32) 1,1,1-Trichloroethane	4.10	97	17441	86.969	ug/l	99
36) 1,1-Dichloropropene	4.30	75	15851	77.219	ug/l	92
37) Ethyl Acetate	4.11	43	1044	11.637	ug/l #	1
38) Carbon Tetrachloride	3.99	117	17722m	126.669	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	23711	99.525	ug/l	93
40) Benzene	4.64	78	29424	53.469	ug/l	100
41) Methacrylonitrile	4.77	41	1037	21.847	ug/l #	44
42) 1,2-Dichloroethane	4.95	62	3602	27.680	ug/l	70
43) Isopropyl Acetate	6.97	43	807	7.428	ug/l #	42
44) Trichloroethene	5.51	130	11458	68.103	ug/l	97
45) 1,2-Dichloropropane	6.25	63	4454	33.935	ug/l	98
46) Dibromomethane	6.09	93	1378	17.171	ug/l #	85
47) Bromodichloromethane	6.39	83	5189	29.192	ug/l #	82
48) Methyl methacrylate	6.73	41	1058	17.103	ug/l #	65
51) 4-Methyl-2-Pentanone	8.27	43	1230	16.915	ug/l	94
52) Toluene	7.63	92	18063	56.671	ug/l	96
53) t-1,3-Dichloropropene	8.29	75	3087	22.122	ug/l	88
54) cis-1,3-Dichloropropene	7.30	75	4691	23.495	ug/l #	90
55) 1,1,2-Trichloroethane	8.50	97	2167	23.935	ug/l #	84
56) Ethyl methacrylate	8.63	69	835	7.733	ug/l #	68
57) 1,3-Dichloropropane	8.86	76	3086	20.537	ug/l #	88
58) 2-Chloroethyl Vinyl ether	7.29	63	805	49.133	ug/l #	48
59) 2-Hexanone	9.50	43	85	1.595	ug/l #	22
60) Dibromochloromethane	8.72	129	2747	21.826	ug/l	64
61) 1,2-Dibromoethane	8.99	107	1968	20.375	ug/l	91
64) Tetrachloroethene	8.15	164	10977	121.865	ug/l	82
65) Chlorobenzene	9.80	112	17545	80.427	ug/l	92
66) 1,1,1,2-Tetrachloroethane	9.93	131	4753	54.241	ug/l	85
67) Ethyl Benzene	9.91	91	33850	89.225	ug/l	100
68) m/p-Xylenes	10.13	106	23263	164.059	ug/l	88
69) o-Xylene	10.72	106	8857	59.639	ug/l	85
70) Stvrene	10.79	104	8882	39.473	ug/l	98
71) Bromoform	10.77	173	943	21.040	ug/l #	96
73) Isopropylbenzene	11.13	105	39036	163.163	ug/l	91
74) N-amyl acetate	11.41	43	89	1.561	ug/l #	26
75) 1,1,2,2-Tetrachloroethane	11.70	83	2374	57.791	ug/l	73
76) 1,2,3-Trichloropropane	11.79	75	1529	52.889	ug/l	81
77) Bromobenzene	11.50	156	3540	60.563	ug/l	83
78) n-propylbenzene	11.59	91	42252	152.090	ug/l	92
79) 2-Chlorotoluene	11.72	91	16090	104.202	ug/l	98
80) 1,3,5-Trimethylbenzene	11.83	105	22669	115.194	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.90	75	686	58.234	ug/l #	1
82) 4-Chlorotoluene	11.90	91	14054	88.768	ug/l	93
83) tert-Butylbenzene	12.14	119	27930	135.581	ug/l	85
84) 1,2,4-Trimethylbenzene	12.20	105	17615	91.309	ug/l	96
85) sec-Butylbenzene	12.31	105	40466	151.844	ug/l	96
86) p-Isopropyltoluene	12.46	119	29596	128.184	ug/l	95
87) 1,3-Dichlorobenzene	12.47	146	8142	74.975	ug/l	88
88) 1,4-Dichlorobenzene	12.57	146	8982	84.762	ug/l	96
89) n-Butylbenzene	12.85	91	22805	103.528	ug/l	91
90) Hexachloroethane	12.91	117	5908	107.463	ug/l	88
91) 1,2-Dichlorobenzene	12.94	146	9754	95.655	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	13.64	75	98	15.745	ug/l #	51
93) 1,2,4-Trichlorobenzene	14.20	180	1411	19.854	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.20	225	3232	68.397	ug/l	84
95) Naphthalene	14.46	128	131	1.052	ug/l #	70
96) 1,2,3-Trichlorobenzene	14.61	180	482	7.246	ug/l	67

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

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