

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF122118\
 Data File : VF061138.D
 Acq On : 21 Dec 2018 21:03
 Operator : VA/AP
 Sample : J6377-18MSD
 Misc : 4.82g/5mL/MSVOA-F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD006-0612-01MSD

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 10:51:51 AM

Quant Time: Dec 22 00:25:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.91	168	79819	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	5.64	114	136155	50.00	ug/l	0.05
63) Chlorobenzene-d5	9.82	117	109432	50.00	ug/l	0.05
72) 1,4-Dichlorobenzene-d4	12.58	152	46850	50.00	ug/l	0.04

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.89	65	52910	51.54	ug/l	0.05
Spiked Amount	50.000		Recovery	=	103.08%	
35) Dibromofluoromethane	4.16	113	52627	48.25	ug/l	0.05
Spiked Amount	50.000		Recovery	=	96.50%	
50) Toluene-d8	7.59	98	155695	50.37	ug/l	0.04
Spiked Amount	50.000		Recovery	=	100.74%	
62) 4-Bromofluorobenzene	11.44	95	59280	41.60	ug/l	0.03
Spiked Amount	50.000		Recovery	=	83.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	73003	41.144	ug/l	99
3) Chloromethane	1.11	50	40550	39.897	ug/l	95
4) Vinyl Chloride	1.15	62	38550	40.887	ug/l	95
5) Bromomethane	1.35	94	29179	44.619	ug/l	94
6) Chloroethane	1.40	64	19408	44.674	ug/l #	86
7) Trichlorofluoromethane	1.51	101	80699	44.827	ug/l	92
8) Diethyl Ether	1.64	74	13359	54.190	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.84	101	41066	43.996	ug/l	95
10) Methyl Iodide	1.91	142	60204	40.918	ug/l	94
11) Tert butyl alcohol	2.61	59	13828	333.785	ug/l #	93
12) 1,1-Dichloroethene	1.81	96	31981	45.453	ug/l	95
13) Acrolein	2.03	56	4709	157.305	ug/l	92
14) Allyl chloride	2.12	41	27705	37.837	ug/l	95
15) Acrylonitrile	2.97	53	28908	301.762	ug/l	90
16) Acetone	2.26	43	43772	213.282	ug/l	98
17) Carbon Disulfide	1.85	76	87899	41.339	ug/l #	93
18) Methyl Acetate	2.37	43	61602	145.081	ug/l	97
19) Methyl tert-butyl Ether	2.46	73	77982	49.932	ug/l	99
20) Methylene Chloride	2.26	84	34405m	52.704	ug/l	
21) trans-1,2-Dichloroethene	2.33	96	32076m	42.623	ug/l	
22) Diisopropyl ether	2.83	45	113318	46.461	ug/l	93
23) Vinyl Acetate	3.23	43	55752	49.550	ug/l	99
24) 1,1-Dichloroethane	2.90	63	65390	45.249	ug/l	96
25) 2-Butanone	4.39	43	91151	273.854	ug/l	98
26) 2,2-Dichloropropane	3.64	77	40073	48.321	ug/l	99
27) cis-1,2-Dichloroethene	3.51	96	50706	44.012	ug/l	98
28) Bromochloromethane	3.75	49	35724	48.720	ug/l	83
29) Tetrahydrofuran	4.12	42	43469	320.872	ug/l	99
30) Chloroform	3.90	83	102447	47.280	ug/l	96
31) Cyclohexane	3.71	56	67314	44.890	ug/l	93
32) 1,1,1-Trichloroethane	4.14	97	68125	52.454	ug/l	98
36) 1,1-Dichloropropene	4.32	75	71211	43.329	ug/l	96
37) Ethyl Acetate	4.15	43	37391	60.804	ug/l #	70
38) Carbon Tetrachloride	4.03	117	59067	47.194	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.49	83	63025	42.746	ug/l	95
40) Benzene	4.67	78	175297	49.598	ug/l	99
41) Methacrylonitrile	4.79	41	20888	60.181	ug/l	91
42) 1,2-Dichloroethane	4.99	62	64474	48.021	ug/l	97
43) Isopropyl Acetate	7.00	43	39195	49.392	ug/l	96
44) Trichloroethene	5.55	130	49372	44.308	ug/l	97
45) 1,2-Dichloropropane	6.28	63	45143	46.947	ug/l	94
46) Dibromomethane	6.13	93	31579	50.635	ug/l	97
47) Bromodichloromethane	6.43	83	73968	45.647	ug/l	97
48) Methyl methacrylate	6.76	41	34329	61.967	ug/l	93
49) 1,4-Dioxane	6.75	88	5257	1307.802	ug/l	88
51) 4-Methyl-2-Pentanone	8.30	43	176339	324.010	ug/l	98
52) Toluene	7.66	92	109923	46.985	ug/l	88
53) t-1,3-Dichloropropene	8.32	75	64667	49.469	ug/l	94
54) cis-1,3-Dichloropropene	7.33	75	71879	43.811	ug/l	97
55) 1,1,2-Trichloroethane	8.53	97	36524	52.076	ug/l	94
56) Ethyl methacrylate	8.66	69	35759	47.118	ug/l	94
57) 1,3-Dichloropropane	8.89	76	62839	49.538	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.33	63	13717	94.109	ug/l #	80
59) 2-Hexanone	9.53	43	104906	266.542	ug/l	97
60) Dibromochloromethane	8.76	129	46436	46.188	ug/l	99
61) 1,2-Dibromoethane	9.03	107	37833	50.508	ug/l	98
64) Tetrachloroethene	8.19	164	39416	46.823	ug/l	92
65) Chlorobenzene	9.84	112	111240	49.206	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.97	131	47937	51.888	ug/l	98
67) Ethyl Benzene	9.94	91	210218	51.041	ug/l	99
68) m/p-Xylenes	10.18	106	145989	100.722	ug/l	97
69) o-Xylene	10.75	106	78481	48.821	ug/l	94
70) Styrene	10.83	104	106145	54.641	ug/l	94
71) Bromoform	10.81	173	22631	52.948	ug/l #	88
73) Isopropylbenzene	11.15	105	209179	51.811	ug/l	98
74) N-amyl acetate	11.40	43	47868	53.403	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.72	83	49935	74.523	ug/l	92
76) 1,2,3-Trichloropropane	11.82	75	36754	73.706	ug/l	95
77) Bromobenzene	11.53	156	47029	54.113	ug/l	89
78) n-propylbenzene	11.63	91	248855	54.573	ug/l	100
79) 2-Chlorotoluene	11.75	91	141947	51.252	ug/l	99
80) 1,3,5-Trimethylbenzene	11.85	105	166675	50.137	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.90	75	16292m	76.032	ug/l	
82) 4-Chlorotoluene	11.93	91	141789	49.489	ug/l	98
83) tert-Butylbenzene	12.16	119	176543	51.607	ug/l	99
84) 1,2,4-Trimethylbenzene	12.24	105	167567	50.546	ug/l	99
85) sec-Butylbenzene	12.34	105	209061	46.829	ug/l	99
86) p-Isopropyltoluene	12.48	119	171047	46.159	ug/l	99
87) 1,3-Dichlorobenzene	12.50	146	76324	54.272	ug/l	98
88) 1,4-Dichlorobenzene	12.59	146	79690	49.935	ug/l	97
89) n-Butylbenzene	12.87	91	163292	42.059	ug/l	92
90) Hexachloroethane	12.95	117	42201	46.095	ug/l	90
91) 1,2-Dichlorobenzene	12.97	146	74097	47.690	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.67	75	8239	67.006	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	34977	31.743	ug/l	96
94) Hexachlorobutadiene	14.22	225	17104	24.372	ug/l	91
95) Naphthalene	14.49	128	84067	41.781	ug/l	97
96) 1,2,3-Trichlorobenzene	14.63	180	30472	29.914	ug/l	96

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

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