

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122618\
 Data File : VF061193.D
 Acq On : 26 Dec 2018 17:32
 Operator : VA/AP
 Sample : J6378-19MSD
 Misc : 5.04g/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS001-0612-01MSD

Quant Time: Dec 27 01:16:27 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	4.86	168	874	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.58	114	1838	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.76	117	846	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	144	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	62	5.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.04%	
35) Dibromofluoromethane	4.10	113	201	13.65	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	27.30%	
50) Toluene-d8	7.54	98	1797	43.07	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	86.14%	
62) 4-Bromofluorobenzene	11.40	95	250	13.00	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	26.00%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.95	85	1859	95.684	ug/l 98
3) Chloromethane	1.10	50	75	6.739	ug/l # 42
4) Vinyl Chloride	1.09	62	1062	102.869	ug/l 90
5) Bromomethane	1.34	94	913	127.502	ug/l # 3
6) Chloroethane	1.34	64	618	129.914	ug/l 94
7) Trichlorofluoromethane	1.42	101	2759	139.965	ug/l 96
8) Diethyl Ether	1.48	74	102	37.787	ug/l 90
9) 1,1,2-Trichlorotrifluoroet	1.81	101	1396	136.587	ug/l # 43
10) Methyl Iodide	1.82	142	775	48.105	ug/l # 71
11) Tert butyl alcohol	2.48	59	62	136.677	ug/l # 65
12) 1,1-Dichloroethene	1.79	96	221	28.685	ug/l # 1
13) Acrolein	1.99	56	492	1500.972	ug/l 88
14) Allyl chloride	2.08	41	1451	180.978	ug/l # 55
15) Acrylonitrile	2.92	53	407	388.003	ug/l # 56
16) Acetone	2.25	43	545	242.521	ug/l # 83
17) Carbon Disulfide	1.84	76	130	5.584	ug/l # 68
18) Methyl Acetate	2.33	43	867	186.479	ug/l # 66
19) Methyl tert-butyl Ether	2.41	73	391	22.864	ug/l # 4
20) Methylene Chloride	2.28	84	62	4.551	ug/l # 1
21) trans-1,2-Dichloroethene	2.31	96	654	79.367	ug/l # 42
22) Diisopropyl ether	2.79	45	647	24.226	ug/l # 49
23) Vinyl Acetate	3.20	43	850	68.991	ug/l # 78
24) 1,1-Dichloroethane	2.87	63	1074	67.873	ug/l # 88
25) 2-Butanone	4.35	43	885	242.827	ug/l # 57
26) 2,2-Dichloropropane	3.57	77	1672	184.124	ug/l # 38
27) cis-1,2-Dichloroethene	3.47	96	556	44.074	ug/l 29
28) Bromochloromethane	3.85	49	67	8.345	ug/l # 10
29) Tetrahydrofuran	4.07	42	199	134.153	ug/l # 37
30) Chloroform	3.84	83	1064	44.845	ug/l # 77
31) Cyclohexane	3.67	56	1443	87.883	ug/l # 75
32) 1,1,1-Trichloroethane	4.10	97	1591	111.876	ug/l # 67
36) 1,1-Dichloropropene	4.27	75	1548	69.774	ug/l 85
37) Ethyl Acetate	4.09	43	172	17.838	ug/l # 62
38) Carbon Tetrachloride	3.96	117	1649	97.600	ug/l # 86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.43	83	1655	83.150	ug/l #	83
40) Benzene	4.60	78	2325	48.731	ug/l #	83
41) Methacrylonitrile	4.73	41	152	32.441	ug/l #	50
42) 1,2-Dichloroethane	4.92	62	112	6.179	ug/l	77
43) Isopropyl Acetate	6.94	43	197	18.390	ug/l #	45
44) Trichloroethene	5.48	130	735	48.863	ug/l	57
45) 1,2-Dichloropropane	6.21	63	378	29.120	ug/l #	17
47) Bromodichloromethane	6.38	83	527	24.092	ug/l #	83
48) Methyl methacrylate	6.70	41	204	27.278	ug/l #	19
49) 1,4-Dioxane	6.53	88	82	1511.145	ug/l #	23
51) 4-Methyl-2-Pentanone	8.23	43	102	13.883	ug/l #	38
52) Toluene	7.60	92	1320	41.796	ug/l	88
53) t-1,3-Dichloropropene	8.25	75	154	8.727	ug/l #	42
54) cis-1,3-Dichloropropene	7.30	75	90	4.064	ug/l #	64
55) 1,1,2-Trichloroethane	8.46	97	243	25.666	ug/l #	12
57) 1,3-Dichloropropane	8.83	76	168	9.811	ug/l #	42
59) 2-Hexanone	9.51	43	285	53.641	ug/l #	27
60) Dibromochloromethane	8.72	129	151	11.126	ug/l #	13
61) 1,2-Dibromoethane	8.96	107	62	6.132	ug/l #	4
64) Tetrachloroethene	8.14	164	552	84.820	ug/l #	79
65) Chlorobenzene	9.78	112	958	54.814	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.91	131	390	54.605	ug/l #	33
67) Ethyl Benzene	9.89	91	2664	83.668	ug/l #	81
68) m/p-Xylenes	10.12	106	1307	116.641	ug/l	82
69) o-Xylene	10.70	106	678	54.556	ug/l #	11
70) Styrene	10.78	104	355	20.568	ug/l #	55
73) Isopropylbenzene	11.11	105	2300	185.346	ug/l	78
74) N-amyl acetate	11.39	43	394	143.010	ug/l #	46
75) 1,1,2,2-Tetrachloroethane	11.69	83	88	42.728	ug/l #	23
76) 1,2,3-Trichloropropane	11.79	75	82	53.501	ug/l #	39
77) Bromobenzene	11.51	156	67	25.082	ug/l #	36
78) n-propylbenzene	11.59	91	1942	Below Cal		93
79) 2-Chlorotoluene	11.71	91	1042	122.405	ug/l	90
80) 1,3,5-Trimethylbenzene	11.82	105	286	27.990	ug/l #	27
81) trans-1,4-Dichloro-2-buten	11.79	75	82	124.504	ug/l #	11
82) 4-Chlorotoluene	11.88	91	924	104.926	ug/l #	69
83) tert-Butylbenzene	12.11	119	937	89.114	ug/l #	56
84) 1,2,4-Trimethylbenzene	12.20	105	66	6.477	ug/l #	29
85) sec-Butylbenzene	12.30	105	915	66.683	ug/l	97
86) p-Isopropyltoluene	12.47	119	289	25.374	ug/l #	50
87) 1,3-Dichlorobenzene	12.47	146	290	68.514	ug/l #	72
88) 1,4-Dichlorobenzene	12.56	146	137	27.930	ug/l #	70
90) Hexachloroethane	12.90	117	223	79.247	ug/l	74
95) Naphthalene	14.45	128	75	12.127	ug/l #	70

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

