

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF120718\
 Data File : VF060947.D
 Acq On : 7 Dec 2018 23:53
 Operator : VA/AP
 Sample : J6265-02MS
 Misc : 5.95g/5mL/MSVOA-F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S32-0632MS

Quant Time: Dec 08 01:59:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	2129	50.00	ug/l	-0.06
34) 1,4-Difluorobenzene	5.58	114	2622	50.00	ug/l	-0.06
63) Chlorobenzene-d5	9.76	117	2083	50.00	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	12.54	152	747	50.00	ug/l	-0.03

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	457	18.22	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	36.44%	
35) Dibromofluoromethane	4.09	113	882	42.40	ug/l	-0.06
Spiked Amount	50.000		Recovery	=	84.80%	
50) Toluene-d8	7.52	98	3057	49.89	ug/l	-0.07
Spiked Amount	50.000		Recovery	=	99.78%	
62) 4-Bromofluorobenzene	11.35	95	79	2.84	ug/l	-0.09
Spiked Amount	50.000		Recovery	=	5.68%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.95	85	1838	57.739	ug/l	96
3) Chloromethane	1.04	50	1771	85.497	ug/l	90
4) Vinyl Chloride	1.10	62	1592	82.394	ug/l	96
5) Bromomethane	1.34	94	170	12.478	ug/l #	48
6) Chloroethane	1.37	64	615	73.634	ug/l #	40
7) Trichlorofluoromethane	1.43	101	3948	95.232	ug/l #	70
8) Diethyl Ether	1.67	74	66	11.071	ug/l	48
9) 1,1,2-Trichlorotrifluoroet	1.78	101	1901	90.704	ug/l #	73
10) Methyl Iodide	1.83	142	1679	52.705	ug/l #	74
11) Tert butyl alcohol	2.64	59	65	63.223	ug/l #	1
12) 1,1-Dichloroethene	1.74	96	1391	82.515	ug/l #	52
13) Acrolein	1.98	56	168	172.468	ug/l	99
14) Allyl chloride	2.23	41	189	8.995	ug/l	91
15) Acrylonitrile	2.93	53	1046	453.811	ug/l #	33
16) Acetone	2.17	43	313	67.676	ug/l	93
17) Carbon Disulfide	1.75	76	3946	87.302	ug/l #	91
18) Methyl Acetate	2.34	43	492	63.867	ug/l #	61
19) Methyl tert-butyl Ether	2.41	73	516	13.590	ug/l #	58
20) Methylene Chloride	2.17	84	688	40.549	ug/l	83
21) trans-1,2-Dichloroethene	2.30	96	1221	75.129	ug/l	82
22) Diisopropyl ether	2.78	45	1470	25.702	ug/l #	23
23) Vinyl Acetate	3.17	43	1812	69.310	ug/l #	80
24) 1,1-Dichloroethane	2.85	63	1758	51.664	ug/l #	66
25) 2-Butanone	4.32	43	235	29.377	ug/l #	57
26) 2,2-Dichloropropane	3.57	77	2882	130.641	ug/l	96
27) cis-1,2-Dichloroethene	3.45	96	1036	39.156	ug/l	76
28) Bromochloromethane	3.71	49	480	29.393	ug/l	92
29) Tetrahydrofuran	4.06	42	498	146.864	ug/l #	37
30) Chloroform	3.84	83	1454	27.764	ug/l	89
31) Cyclohexane	3.67	56	3413	96.646	ug/l #	61
32) 1,1,1-Trichloroethane	4.07	97	2743	75.523	ug/l #	80
36) 1,1-Dichloropropene	4.26	75	2171	74.650	ug/l #	81
37) Ethyl Acetate	4.15	43	551	46.623	ug/l #	14
38) Carbon Tetrachloride	3.96	117	2527	98.377	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.42	83	2799	91.838	ug/l	88
40) Benzene	4.60	78	3407	53.028	ug/l #	71
41) Methacrylonitrile	4.75	41	614	104.579	ug/l #	45
42) 1,2-Dichloroethane	4.92	62	643	27.413	ug/l	76
43) Isopropyl Acetate	6.91	43	319	20.259	ug/l #	49
44) Trichloroethene	5.48	130	1241	59.075	ug/l	86
45) 1,2-Dichloropropane	6.22	63	609	36.497	ug/l #	46
46) Dibromomethane	6.08	93	67	5.919	ug/l #	22
47) Bromodichloromethane	6.36	83	931	30.967	ug/l #	80
48) Methyl methacrylate	6.69	41	258	24.117	ug/l #	18
49) 1,4-Dioxane	6.61	88	63	804.674	ug/l #	1
51) 4-Methyl-2-Pentanone	8.22	43	227	20.829	ug/l #	38
52) Toluene	7.61	92	2463	54.576	ug/l #	70
53) t-1,3-Dichloropropene	8.27	75	747	30.546	ug/l #	40
54) cis-1,3-Dichloropropene	7.30	75	711	23.485	ug/l #	83
55) 1,1,2-Trichloroethane	8.40	97	78	5.932	ug/l #	15
56) Ethyl methacrylate	8.52	69	66	4.518	ug/l #	11
57) 1,3-Dichloropropane	8.84	76	638	27.731	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.17	63	79	52.871	ug/l #	46
59) 2-Hexanone	9.41	43	357	46.692	ug/l #	27
60) Dibromochloromethane	8.69	129	471	24.039	ug/l	78
61) 1,2-Dibromoethane	8.95	107	224	15.768	ug/l #	4
64) Tetrachloroethene	8.13	164	1037	65.179	ug/l #	83
65) Chlorobenzene	9.78	112	1755	43.309	ug/l #	83
66) 1,1,1,2-Tetrachloroethane	9.91	131	374	21.469	ug/l	84
67) Ethyl Benzene	9.89	91	5425	71.911	ug/l	95
68) m/p-Xylenes	10.11	106	3127	115.248	ug/l	80
69) o-Xylene	10.70	106	1164	38.904	ug/l	70
70) Styrene	10.78	104	1207	29.102	ug/l #	63
71) Bromoform	10.76	173	75	8.913	ug/l #	60
73) Isopropylbenzene	11.10	105	5966	101.064	ug/l	91
74) N-amyl acetate	11.40	43	771	56.561	ug/l #	15
75) 1,1,2,2-Tetrachloroethane	11.75	83	324	33.349	ug/l #	25
76) 1,2,3-Trichloropropane	11.86	75	100	14.161	ug/l #	38
77) Bromobenzene	11.48	156	724	55.942	ug/l	77
78) n-propylbenzene	11.58	91	5882	85.085	ug/l	93
79) 2-Chlorotoluene	11.71	91	3081	77.727	ug/l	99
80) 1,3,5-Trimethylbenzene	11.81	105	2600	54.254	ug/l	81
81) trans-1,4-Dichloro-2-buten	11.89	75	89	25.723	ug/l #	1
82) 4-Chlorotoluene	11.88	91	1951	46.770	ug/l	92
83) tert-Butylbenzene	12.12	119	3783	77.495	ug/l	93
84) 1,2,4-Trimethylbenzene	12.20	105	1741	36.401	ug/l	75
85) sec-Butylbenzene	12.30	105	5138	76.886	ug/l	94
86) p-Isopropyltoluene	12.45	119	2957	52.779	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	990	40.215	ug/l	95
88) 1,4-Dichlorobenzene	12.55	146	990	41.266	ug/l	97
89) n-Butylbenzene	12.84	91	1636	28.878	ug/l	88
90) Hexachloroethane	12.90	117	801	59.372	ug/l	80
91) 1,2-Dichlorobenzene	12.93	146	515	22.091	ug/l #	58
94) Hexachlorobutadiene	14.17	225	440	40.520	ug/l #	34

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

