

Data Path : Z:\voasrv\HPCHEM1\MSVOA_F\Data\VF082818\
 Data File : VF060155.D
 Acq On : 28 Aug 2018 17:40
 Operator : VA/AP
 Sample : J4646-05MSD
 Misc : 5.28g/5mL/MSVOA_F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q4-A7MSD

Quant Time: Aug 29 01:16:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	99691	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.76	114	132381	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	141733	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	81972	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	49695	36.42	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	72.84%	
35) Dibromofluoromethane	4.28	113	56020	53.89	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	107.78%	
50) Toluene-d8	7.70	98	161332	54.65	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	109.30%	
62) 4-Bromofluorobenzene	11.50	95	84401	54.04	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	108.08%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	87458	66.636	ug/l	94
3) Chloromethane	1.06	50	42473	49.845	ug/l	91
4) Vinyl Chloride	1.12	62	35958	44.126	ug/l	98
5) Bromomethane	1.31	94	26965	43.546	ug/l	97
6) Chloroethane	1.39	64	19356	60.257	ug/l	94
7) Trichlorofluoromethane	1.48	101	137598	83.969	ug/l	96
8) Diethyl Ether	1.70	74	7830	26.727	ug/l	65
9) 1,1,2-Trichlorotrifluoroet	1.85	101	54528	63.393	ug/l #	92
10) Methyl Iodide	1.92	142	59122	51.987	ug/l	95
11) Tert butyl alcohol	2.65	59	8444	116.333	ug/l #	96
12) 1,1-Dichloroethene	1.82	96	32668	51.549	ug/l	93
13) Acrolein	2.08	56	3723	101.439	ug/l #	70
14) Allyl chloride	2.18	41	62653	55.667	ug/l	96
15) Acrylonitrile	3.06	53	19164	133.790	ug/l	97
16) Acetone	2.33	43	46314	129.156	ug/l	99
17) Carbon Disulfide	1.83	76	83977	42.324	ug/l	96
18) Methyl Acetate	2.44	43	27066	43.665	ug/l	99
19) Methyl tert-butyl Ether	2.52	73	66546	32.775	ug/l	95
20) Methylene Chloride	2.28	84	46145	67.095	ug/l #	85
21) trans-1,2-Dichloroethene	2.41	96	43581	61.461	ug/l	92
22) Diisopropyl ether	2.91	45	99672	39.549	ug/l #	90
23) Vinyl Acetate	3.31	43	84801	63.515	ug/l	99
24) 1,1-Dichloroethane	3.00	63	96749	62.143	ug/l	97
25) 2-Butanone	4.48	43	33993	72.980	ug/l #	84
26) 2,2-Dichloropropane	3.76	77	92513	57.434	ug/l	92
27) cis-1,2-Dichloroethene	3.62	96	41600	41.401	ug/l	95
28) Bromochloromethane	3.87	49	25732	39.147	ug/l	86
29) Tetrahydrofuran	4.23	42	18316	104.152	ug/l	98
30) Chloroform	4.02	83	104350	47.749	ug/l	84
31) Cyclohexane	3.85	56	51339	43.276	ug/l	94
32) 1,1,1-Trichloroethane	4.27	97	117943	63.022	ug/l	95
36) 1,1-Dichloropropene	4.45	75	70794	56.906	ug/l	95
37) Ethyl Acetate	4.25	43	17062	22.933	ug/l #	1
38) Carbon Tetrachloride	4.16	117	102103	70.878	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	56162	48.148	ug/l	89
40) Benzene	4.80	78	126781	46.653	ug/l	97
41) Methacrylonitrile	4.91	41	8594	22.837	ug/l	95
42) 1,2-Dichloroethane	5.10	62	59042	40.518	ug/l	98
43) Isopropyl Acetate	7.10	43	18530	19.788	ug/l #	91
44) Trichloroethene	5.67	130	46310	51.548	ug/l	99
45) 1,2-Dichloropropane	6.39	63	32508	42.290	ug/l	94
46) Dibromomethane	6.24	93	21551	35.828	ug/l	95
47) Bromodichloromethane	6.54	83	69956	48.151	ug/l #	99
48) Methyl methacrylate	6.86	41	17348	27.997	ug/l	99
49) 1,4-Dioxane	6.84	88	2334	392.370	ug/l #	76
51) 4-Methyl-2-Pentanone	8.39	43	116528	144.103	ug/l	98
52) Toluene	7.77	92	128353	75.971	ug/l	97
53) t-1,3-Dichloropropene	8.42	75	51162	38.833	ug/l	98
54) cis-1,3-Dichloropropene	7.44	75	57426	39.054	ug/l	94
55) 1,1,2-Trichloroethane	8.64	97	25249	34.433	ug/l	95
56) Ethyl methacrylate	8.74	69	23881	26.906	ug/l #	91
57) 1,3-Dichloropropane	8.99	76	40797	31.654	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.77	63	24931	353.873	ug/l	100
59) 2-Hexanone	9.62	43	91623	139.992	ug/l	100
60) Dibromochloromethane	8.85	129	41960	38.764	ug/l	94
61) 1,2-Dibromoethane	9.13	107	27430	31.852	ug/l	98
64) Tetrachloroethene	8.30	164	51962	54.423	ug/l	98
65) Chlorobenzene	9.94	112	139178	52.003	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.06	131	48301	47.583	ug/l	95
67) Ethyl Benzene	10.04	91	272813	59.076	ug/l	100
68) m/p-Xylenes	10.26	106	190345	129.138	ug/l	94
69) o-Xylene	10.82	106	99794	55.158	ug/l	94
70) Styrene	10.89	104	137311	49.468	ug/l	96
71) Bromoform	10.88	173	24474	34.557	ug/l	95
73) Isopropylbenzene	11.22	105	347769	70.481	ug/l	98
74) N-amyl acetate	11.45	43	35379	23.068	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.78	83	36804	34.154	ug/l	91
76) 1,2,3-Trichloropropane	11.88	75	30158	36.088	ug/l	96
77) Bromobenzene	11.59	156	65812	49.044	ug/l	98
78) n-propylbenzene	11.68	91	404491	66.419	ug/l	98
79) 2-Chlorotoluene	11.81	91	216346	60.414	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	276083	64.223	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.95	75	9185	24.022	ug/l #	88
82) 4-Chlorotoluene	11.99	91	227542	58.525	ug/l	97
83) tert-Butylbenzene	12.21	119	279680	66.705	ug/l	92
84) 1,2,4-Trimethylbenzene	12.28	105	265431	58.080	ug/l	92
85) sec-Butylbenzene	12.38	105	373750	64.032	ug/l	97
86) p-Isopropyltoluene	12.54	119	302065	62.378	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	134428	54.180	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	130379	52.876	ug/l	99
89) n-Butylbenzene	12.91	91	258823	55.013	ug/l	97
90) Hexachloroethane	12.99	117	67951	62.445	ug/l	90
91) 1,2-Dichlorobenzene	13.01	146	121510	50.923	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	7763	35.253	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	64462	36.686	ug/l	94
94) Hexachlorobutadiene	14.25	225	51682	47.256	ug/l	96
95) Naphthalene	14.52	128	68051	23.587	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	51927	30.975	ug/l	97

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

