

Data Path : Z:\voasrv\HPCHEM1\MSVOA_F\Data\VF082718\
 Data File : VF060135.D
 Acq On : 27 Aug 2018 19:57
 Operator : VA/AP
 Sample : J4646-04MS
 Misc : 5.28g/5mL/MSVOA_F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 28 01:13:53 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	5.03	168	107827	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	141614	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.91	117	134242	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	72191	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.99	65	43846	29.71	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	59.42%	
35) Dibromofluoromethane	4.28	113	52426	47.14	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	94.28%	
50) Toluene-d8	7.69	98	203641	64.48	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	128.96%	
62) 4-Bromofluorobenzene	11.51	95	71434	42.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.52%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	83895	59.098	ug/l	99
3) Chloromethane	1.08	50	35519	37.633	ug/l	96
4) Vinyl Chloride	1.13	62	34710	39.381	ug/l	95
5) Bromomethane	1.32	94	16449	24.559	ug/l	96
6) Chloroethane	1.40	64	23238	66.884	ug/l #	89
7) Trichlorofluoromethane	1.49	101	165303	93.264	ug/l	99
8) Diethyl Ether	1.69	74	10525	33.215	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.86	101	68145	73.246	ug/l	98
10) Methyl Iodide	1.93	142	31920	25.950	ug/l	97
11) Tert butyl alcohol	2.60	59	4238	53.981	ug/l #	86
12) 1,1-Dichloroethene	1.83	96	46055	67.190	ug/l	96
13) Acrolein	2.08	56	2564	74.152	ug/l	96
14) Allyl chloride	2.18	41	45649	37.499	ug/l	90
15) Acrylonitrile	3.06	53	12039	77.706	ug/l #	84
16) Acetone	2.31	43	29189	75.258	ug/l	95
17) Carbon Disulfide	1.85	76	101632	47.357	ug/l	99
18) Methyl Acetate	2.43	43	20161	28.677	ug/l	92
19) Methyl tert-butyl Ether	2.51	73	58793	26.772	ug/l	95
20) Methylene Chloride	2.28	84	35561	46.162	ug/l	97
21) trans-1,2-Dichloroethene	2.41	96	45606	59.464	ug/l	91
22) Diisopropyl ether	2.89	45	98469	36.123	ug/l	96
23) Vinyl Acetate	3.30	43	67119	46.478	ug/l	99
24) 1,1-Dichloroethane	2.99	63	87783	52.129	ug/l	97
25) 2-Butanone	4.47	43	30822	61.180	ug/l	95
26) 2,2-Dichloropropane	3.74	77	56863	32.638	ug/l	91
27) cis-1,2-Dichloroethene	3.62	96	37858	34.834	ug/l	87
28) Bromochloromethane	3.88	49	21681	30.495	ug/l	95
29) Tetrahydrofuran	4.21	42	12920	67.924	ug/l	94
30) Chloroform	4.01	83	104772	44.325	ug/l	99
31) Cyclohexane	3.86	56	57397	44.732	ug/l	98
32) 1,1,1-Trichloroethane	4.26	97	125682	62.090	ug/l	98
36) 1,1-Dichloropropene	4.45	75	77728	58.406	ug/l	96
37) Ethyl Acetate	4.25	43	12665	15.913	ug/l #	1
38) Carbon Tetrachloride	4.16	117	114692	74.426	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_F\Data\VF082718\
 Data File : VF060135.D
 Acq On : 27 Aug 2018 19:57
 Operator : VA/AP
 Sample : J4646-04MS
 Misc : 5.28g/5mL/MSVOA_F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 28 01:13:53 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)
39) Methylcyclohexane	5.62	83	66129	52.996	ug/l #	86
40) Benzene	4.79	78	131926	45.381	ug/l	99
41) Methacrylonitrile	4.88	41	7475	18.568	ug/l #	81
42) 1,2-Dichloroethane	5.10	62	53710	34.456	ug/l	99
43) Isopropyl Acetate	7.09	43	14342	14.317	ug/l #	95
44) Trichloroethene	5.66	130	52487	54.615	ug/l	98
45) 1,2-Dichloropropane	6.39	63	32127	39.069	ug/l	95
46) Dibromomethane	6.24	93	17966	27.921	ug/l	98
47) Bromodichloromethane	6.53	83	66210	42.601	ug/l	90
48) Methyl methacrylate	6.85	41	15430	23.278	ug/l	89
49) 1,4-Dioxane	6.84	88	1895	297.799	ug/l #	73
51) 4-Methyl-2-Pentanone	8.38	43	91973	106.322	ug/l	99
52) Toluene	7.77	92	108085	58.645	ug/l	98
53) t-1,3-Dichloropropene	8.41	75	43108	30.586	ug/l	90
54) cis-1,3-Dichloropropene	7.44	75	48334	30.728	ug/l #	85
55) 1,1,2-Trichloroethane	8.63	97	21769	27.752	ug/l	93
56) Ethyl methacrylate	8.75	69	18533	19.519	ug/l	97
57) 1,3-Dichloropropane	8.98	76	39054	28.326	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.77	63	21927	290.942	ug/l	100
59) 2-Hexanone	9.61	43	66586	95.105	ug/l	93
60) Dibromochloromethane	8.84	129	38885	33.581	ug/l	96
61) 1,2-Dibromoethane	9.12	107	22874	24.830	ug/l	99
64) Tetrachloroethene	8.29	164	57266	63.325	ug/l	95
65) Chlorobenzene	9.93	112	127999	50.495	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	47649	49.560	ug/l	93
67) Ethyl Benzene	10.03	91	270036	61.738	ug/l	100
68) m/p-Xylenes	10.26	106	183497	131.631	ug/l	95
69) o-Xylene	10.83	106	89053	51.968	ug/l	96
70) Styrene	10.89	104	117614	44.736	ug/l	92
71) Bromoform	10.88	173	21024	31.342	ug/l	93
73) Isopropylbenzene	11.22	105	323369	74.415	ug/l	96
74) N-amyl acetate	11.46	43	20603	15.254	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.78	83	29469	31.052	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	24858	33.776	ug/l	93
77) Bromobenzene	11.58	156	57934	49.023	ug/l	91
78) n-propylbenzene	11.68	91	387788	72.304	ug/l	98
79) 2-Chlorotoluene	11.81	91	198528	62.950	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	254480	67.219	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	7006	20.806	ug/l #	88
82) 4-Chlorotoluene	11.98	91	198631	58.011	ug/l	92
83) tert-Butylbenzene	12.21	119	261111	70.714	ug/l	86
84) 1,2,4-Trimethylbenzene	12.28	105	232202	57.693	ug/l	95
85) sec-Butylbenzene	12.38	105	365493	71.101	ug/l	99
86) p-Isopropyltoluene	12.53	119	284746	66.768	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	114921	52.594	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	106911	49.233	ug/l	98
89) n-Butylbenzene	12.92	91	248236	59.912	ug/l	99
90) Hexachloroethane	12.98	117	68117	71.078	ug/l	79
91) 1,2-Dichlorobenzene	13.01	146	101765	48.426	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	4917	25.354	ug/l	65

Data Path : Z:\voasrv\HPCHEM1\MSVOA_F\Data\VF082718\
Data File : VF060135.D
Acq On : 27 Aug 2018 19:57
Operator : VA/AP
Sample : J4646-04MS
Misc : 5.28g/5mL/MSVOA_F/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Aug 28 01:13:53 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)
93) 1,2,4-Trichlorobenzene	14.27	180	49166	31.772	ug/l	98
94) Hexachlorobutadiene	14.25	225	52787	54.806	ug/l	98
95) Naphthalene	14.52	128	35395	14.866	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	38858	26.319	ug/l	94

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

