

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082318\
 Data File : VF060084.D
 Acq On : 24 Aug 2018 7:21
 Operator : VA/AP
 Sample : J4581-11MS
 Misc : 5.98g/5mL/MSVOA F/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q3-C2MS

Manual Integrations
 APPROVED

MMDadoda
 8/24/2018 4:13:23 PM

Quant Time: Aug 24 09:03:15 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	146090	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	238672	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	259358	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	155321	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	123276	61.66	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	123.32%	
35) Dibromofluoromethane	4.28	113	107214	57.21	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	114.42%	
50) Toluene-d8	7.71	98	280307	52.66	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	105.32%	
62) 4-Bromofluorobenzene	11.51	95	158376	56.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.50%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	0.95	85	104570	54.37	ug/l	96
3) Chloromethane	1.07	50	66445	53.48	ug/l	96
4) Vinyl Chloride	1.12	62	52972	44.36	ug/l	92
5) Bromomethane	1.32	94	36535	40.26	ug/l	98
6) Chloroethane	1.39	64	27616	58.67	ug/l	90
7) Trichlorofluoromethane	1.49	101	171128	71.26	ug/l	99
8) Diethyl Ether	1.70	74	21964	51.16	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.86	101	70219	55.71	ug/l	97
10) Methyl Iodide	1.93	142	79201	47.52	ug/l	91
11) Tert butyl alcohol	2.67	59	26812	252.07	ug/l #	76
12) 1,1-Dichloroethene	1.82	96	46461	50.03	ug/l	83
13) Acrolein	2.08	56	1285	44.02	ug/l	93
14) Allyl chloride	2.19	41	79500	48.20	ug/l	84
15) Acrylonitrile	3.06	53	48408	230.62	ug/l	94
16) Acetone	2.33	43	123174	234.40	ug/l	100
17) Carbon Disulfide	1.84	76	123241	42.39	ug/l	96
18) Methyl Acetate	2.44	43	87429	101.64	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	157674	52.99	ug/l	99
20) Methylene Chloride	2.27	84	57831	56.55	ug/l	95
21) trans-1,2-Dichloroethene	2.41	96	45802	44.08	ug/l	98
22) Diisopropyl ether	2.91	45	168278	45.56	ug/l	97
23) Vinyl Acetate	3.33	43	153385	78.40	ug/l	97
24) 1,1-Dichloroethane	2.99	63	122511	53.70	ug/l	100
25) 2-Butanone	4.50	43	172822	253.19	ug/l	96
26) 2,2-Dichloropropane	3.75	77	104657	44.34	ug/l	96
27) cis-1,2-Dichloroethene	3.62	96	83139	56.46	ug/l	97
28) Bromochloromethane	3.89	49	52058	54.04	ug/l	94
29) Tetrahydrofuran	4.25	42	66333	257.40	ug/l	95
30) Chloroform	4.03	83	193024	60.27	ug/l	96
31) Cyclohexane	3.85	56	83608	48.09	ug/l	97
32) 1,1,1-Trichloroethane	4.27	97	166971	60.88	ug/l	99
36) 1,1-Dichloropropene	4.45	75	105242	46.92	ug/l	98
37) Ethyl Acetate	4.28	43	49383	36.82	ug/l	83
38) Carbon Tetrachloride	4.17	117	143292	55.17	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	92837	44.14	ug/l	88
40) Benzene	4.81	78	243633	49.73	ug/l	99
41) Methacrylonitrile	4.92	41	31765	46.82	ug/l #	93
42) 1,2-Dichloroethane	5.11	62	143528	54.63	ug/l	100
43) Isopropyl Acetate	7.10	43	55350	32.78	ug/l #	97
44) Trichloroethene	5.67	130	84248	52.01	ug/l	90
45) 1,2-Dichloropropane	6.39	63	76321	55.07	ug/l	98
46) Dibromomethane	6.25	93	64116	59.12	ug/l	96
47) Bromodichloromethane	6.54	83	146830	56.06	ug/l	96
48) Methyl methacrylate	6.87	41	69513	62.22	ug/l	97
49) 1,4-Dioxane	6.86	88	9667	901.39	ug/l	88
51) 4-Methyl-2-Pentanone	8.40	43	403894	277.03	ug/l	99
52) Toluene	7.77	92	183883	59.25	ug/l	100
53) t-1,3-Dichloropropene	8.42	75	122522	51.58	ug/l	97
54) cis-1,3-Dichloropropene	7.45	75	134608	50.78	ug/l	96
55) 1,1,2-Trichloroethane	8.63	97	78496	59.37	ug/l	94
56) Ethyl methacrylate	8.76	69	61919	38.69	ug/l	96
57) 1,3-Dichloropropane	9.00	76	129712	55.82	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.77	63	33858	266.56	ug/l	100
59) 2-Hexanone	9.63	43	321536	272.49	ug/l	94
60) Dibromochloromethane	8.86	129	111772	57.27	ug/l	96
61) 1,2-Dibromoethane	9.13	107	86048	55.42	ug/l	96
64) Tetrachloroethene	8.30	164	96441	55.20	ug/l	96
65) Chlorobenzene	9.93	112	247697	50.58	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	96761	52.09	ug/l	99
67) Ethyl Benzene	10.04	91	428144	50.67	ug/l	98
68) m/p-Xylenes	10.27	106	312168	114.62	ug/l	96
69) o-Xylene	10.83	106	168268	50.82	ug/l	99
70) Styrene	10.90	104	202926	39.95	ug/l	97
71) Bromoform	10.89	173	71665	55.30	ug/l #	98
73) Isopropylbenzene	11.22	105	503425	53.85	ug/l	99
74) N-amyl acetate	11.46	43	86834	29.88	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.79	83	123046	60.26	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	93379	58.97	ug/l	97
77) Bromobenzene	11.59	156	132082	51.95	ug/l	88
78) n-propylbenzene	11.69	91	612029	53.04	ug/l	100
79) 2-Chlorotoluene	11.81	91	343763	50.66	ug/l	93
80) 1,3,5-Trimethylbenzene	11.91	105	413573	50.77	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	37146m	51.27	ug/l	
82) 4-Chlorotoluene	11.98	91	378016	51.31	ug/l	93
83) tert-Butylbenzene	12.21	119	398447	50.15	ug/l	90
84) 1,2,4-Trimethylbenzene	12.29	105	439747	50.78	ug/l	99
85) sec-Butylbenzene	12.39	105	570396	51.57	ug/l	98
86) p-Isopropyltoluene	12.54	119	458425	49.96	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	232155	49.38	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	232132	49.68	ug/l	97
89) n-Butylbenzene	12.92	91	450150	50.50	ug/l	100
90) Hexachloroethane	12.99	117	111569	54.11	ug/l	77
91) 1,2-Dichlorobenzene	13.02	146	240979	53.30	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	25359	60.78	ug/l	72

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	162322	48.75	ug/l	98
94) Hexachlorobutadiene	14.25	225	96223	46.43	ug/l	98
95) Naphthalene	14.53	128	264824	46.03	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	158475	49.89	ug/l	95

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

