

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082118\
 Data File : VF060027.D
 Acq On : 21 Aug 2018 18:51
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00u/5mL/MSVOA F/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

apatel
 8/22/2018 11:24:09 AM

Quant Time: Aug 22 04:25:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 03:57:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	205507	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	315898	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	328562	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	201534	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	193622	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
35) Dibromofluoromethane	4.30	113	176911	56.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.94%	
50) Toluene-d8	7.72	98	483548	68.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	136.06%	
62) 4-Bromofluorobenzene	11.52	95	246448	57.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	168147	50.03	ug/l	99
3) Chloromethane	1.07	50	117188	62.66	ug/l	100
4) Vinyl Chloride	1.12	62	110562	54.20	ug/l	94
5) Bromomethane	1.32	94	80754	41.37	ug/l	95
6) Chloroethane	1.39	64	44267	43.43	ug/l	99
7) Trichlorofluoromethane	1.49	101	232335	41.45	ug/l	99
8) Diethyl Ether	1.70	74	41740	49.31	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.86	101	120569	45.39	ug/l	99
10) Methyl Iodide	1.93	142	164197	48.84	ug/l	97
11) Tert butyl alcohol	2.69	59	49355	224.09	ug/l #	79
12) 1,1-Dichloroethene	1.83	96	87238	47.04	ug/l	95
13) Acrolein	2.10	56	32120	269.69	ug/l	99
14) Allyl chloride	2.20	41	155772	49.64	ug/l	94
15) Acrylonitrile	3.08	53	96269	270.87	ug/l	94
16) Acetone	2.34	43	228639	193.99	ug/l	98
17) Carbon Disulfide	1.84	76	253293	43.17	ug/l	100
18) Methyl Acetate	2.45	43	86001	38.22	ug/l	97
19) Methyl tert-butyl Ether	2.54	73	283673	47.00	ug/l	99
20) Methylene Chloride	2.28	84	96531	36.82	ug/l	93
21) trans-1,2-Dichloroethene	2.41	96	87343	43.94	ug/l	89
22) Diisopropyl ether	2.93	45	346792	51.51	ug/l	98
23) Vinyl Acetate	3.34	43	1020544	362.62	ug/l	100
24) 1,1-Dichloroethane	3.00	63	215810	49.64	ug/l	99
25) 2-Butanone	4.51	43	311033	319.60	ug/l	99
26) 2,2-Dichloropropane	3.76	77	239107	60.92	ug/l	96
27) cis-1,2-Dichloroethene	3.64	96	135809	70.28	ug/l	96
28) Bromochloromethane	3.90	49	82283	61.35	ug/l	93
29) Tetrahydrofuran	4.27	42	120448	345.00	ug/l	98
30) Chloroform	4.05	83	301093	57.72	ug/l	94
31) Cyclohexane	3.86	56	147551	67.92	ug/l	97
32) 1,1,1-Trichloroethane	4.29	97	263142	52.83	ug/l	97
36) 1,1-Dichloropropene	4.46	75	192295	54.29	ug/l	97
37) Ethyl Acetate	4.30	43	119505	61.69	ug/l #	89
38) Carbon Tetrachloride	4.18	117	235420	48.17	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	179692	66.43	ug/l	88
40) Benzene	4.82	78	413982	68.02	ug/l	98
41) Methacrylonitrile	4.93	41	56355	60.09	ug/l #	90
42) 1,2-Dichloroethane	5.12	62	231181	47.34	ug/l	99
43) Isopropyl Acetate	7.11	43	151739	69.08	ug/l	99
44) Trichloroethene	5.68	130	135661	58.30	ug/l	99
45) 1,2-Dichloropropane	6.40	63	124194	70.70	ug/l	94
46) Dibromomethane	6.27	93	100675	59.86	ug/l	93
47) Bromodichloromethane	6.55	83	246702	55.68	ug/l	95
48) Methyl methacrylate	6.88	41	102648	64.14	ug/l	96
49) 1,4-Dioxane	6.88	88	20144	1603.38	ug/l #	90
51) 4-Methyl-2-Pentanone	8.42	43	634628	312.78	ug/l	99
52) Toluene	7.78	92	307936	67.67	ug/l	95
53) t-1,3-Dichloropropene	8.44	75	213624	56.67	ug/l	95
54) cis-1,3-Dichloropropene	7.47	75	249065	66.86	ug/l	100
55) 1,1,2-Trichloroethane	8.65	97	124149	68.25	ug/l	98
56) Ethyl methacrylate	8.77	69	153265	72.37	ug/l	98
57) 1,3-Dichloropropane	9.01	76	216480	66.61	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.78	63	53626	319.00	ug/l	100
59) 2-Hexanone	9.64	43	511700	305.02	ug/l	97
60) Dibromochloromethane	8.87	129	183486	57.31	ug/l	93
61) 1,2-Dibromoethane	9.14	107	141034	63.08	ug/l	96
64) Tetrachloroethene	8.32	164	139932	56.21	ug/l	99
65) Chlorobenzene	9.95	112	404879	62.58	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.08	131	158317	54.70	ug/l	99
67) Ethyl Benzene	10.05	91	703030	60.35	ug/l	99
68) m/p-Xylenes	10.28	106	488546	119.01	ug/l	99
69) o-Xylene	10.84	106	328267	78.14	ug/l	94
70) Styrene	10.91	104	438915	65.50	ug/l	97
71) Bromoform	10.90	173	119242	55.82	ug/l	98
73) Isopropylbenzene	11.23	105	787348	64.92	ug/l	98
74) N-amyl acetate	11.47	43	265771	75.95	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.80	83	175967	72.17	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	135018	64.32	ug/l	98
77) Bromobenzene	11.60	156	211300	62.67	ug/l	90
78) n-propylbenzene	11.70	91	945314	62.63	ug/l	98
79) 2-Chlorotoluene	11.83	91	552100	60.99	ug/l	94
80) 1,3,5-Trimethylbenzene	11.92	105	667069	61.28	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.96	75	64339m	72.64	ug/l	
82) 4-Chlorotoluene	11.99	91	624113	63.00	ug/l	97
83) tert-Butylbenzene	12.22	119	676078	63.52	ug/l	95
84) 1,2,4-Trimethylbenzene	12.30	105	700814	61.24	ug/l	99
85) sec-Butylbenzene	12.40	105	899830	63.34	ug/l	98
86) p-Isopropyltoluene	12.55	119	737037	58.67	ug/l	97
87) 1,3-Dichlorobenzene	12.57	146	386705	60.08	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	400645	64.07	ug/l	97
89) n-Butylbenzene	12.93	91	780603	64.31	ug/l	98
90) Hexachloroethane	13.00	117	178103	63.66	ug/l	81
91) 1,2-Dichlorobenzene	13.03	146	375183	61.19	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.72	75	38795	60.86	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	301599	60.80	µg/l	97
94) Hexachlorobutadiene	14.26	225	182655	56.03	µg/l	98
95) Naphthalene	14.53	128	511448	71.77	µg/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	294526	61.90	µg/l	97

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

