

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071718\
 Data File : VF059515.D
 Acq On : 17 Jul 2018 18:56
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 7/18/2018 3:16:17 PM

Quant Time: Jul 18 02:28:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 01:41:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	272582	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	395962	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	378217	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	228190	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	390568	94.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	189.86%	
35) Dibromofluoromethane	4.30	113	323721	94.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	188.28%	
50) Toluene-d8	7.72	98	780666	91.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	183.58%	
62) 4-Bromofluorobenzene	11.52	95	413802	91.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	183.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	308239	99.35	ug/l	100
3) Chloromethane	1.09	50	175403	100.29	ug/l	96
4) Vinyl Chloride	1.14	62	180167	98.90	ug/l	97
5) Bromomethane	1.34	94	114355	90.13	ug/l	95
6) Chloroethane	1.43	64	87794	92.10	ug/l #	86
7) Trichlorofluoromethane	1.52	101	420967	100.68	ug/l	92
8) Diethyl Ether	1.70	74	80126	95.65	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.91	101	179402m	90.33	ug/l	
10) Methyl Iodide	1.96	142	321575	96.06	ug/l	99
11) Tert butyl alcohol	2.69	59	86410	452.82	ug/l	96
12) 1,1-Dichloroethene	1.86	96	183289	95.55	ug/l	98
13) Acrolein	2.09	56	34449	323.12	ug/l	97
14) Allyl chloride	2.19	41	231005	91.82	ug/l	99
15) Acrylonitrile	3.09	53	172913	491.02	ug/l	94
16) Acetone	2.34	43	312561	447.26	ug/l	99
17) Carbon Disulfide	1.87	76	472988	90.84	ug/l	95
18) Methyl Acetate	2.46	43	118442m	82.55	ug/l	
19) Methyl tert-butyl Ether	2.53	73	583275	92.96	ug/l	98
20) Methylene Chloride	2.33	84	170940m	68.32	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	179470	102.70	ug/l	93
22) Diisopropyl ether	2.93	45	672954	93.30	ug/l	99
23) Vinyl Acetate	3.34	43	1870767	446.34	ug/l	100
24) 1,1-Dichloroethane	3.01	63	403421	98.53	ug/l	99
25) 2-Butanone	4.53	43	419236	412.71	ug/l	97
26) 2,2-Dichloropropane	3.77	77	254355	92.56	ug/l	99
27) cis-1,2-Dichloroethene	3.64	96	203081	85.01	ug/l	94
28) Bromochloromethane	3.89	49	172499	90.85	ug/l #	91
29) Tetrahydrofuran	4.27	42	193933	444.45	ug/l	98
30) Chloroform	4.04	83	583629	94.90	ug/l	94
31) Cyclohexane	3.87	56	214803	92.88	ug/l	94
32) 1,1,1-Trichloroethane	4.28	97	380248	89.14	ug/l	99
36) 1,1-Dichloropropene	4.47	75	369921	91.74	ug/l	97
37) Ethyl Acetate	4.31	43	203389	82.41	ug/l #	85
38) Carbon Tetrachloride	4.17	117	419613	89.75	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	275999	90.89	ug/l	95
40) Benzene	4.82	78	666635	85.09	ug/l	99
41) Methacrylonitrile	4.94	41	101143	85.01	ug/l #	88
42) 1,2-Dichloroethane	5.13	62	492823	98.26	ug/l	100
43) Isopropyl Acetate	7.13	43	269461	91.17	ug/l #	96
44) Trichloroethene	5.68	130	251310	88.97	ug/l	97
45) 1,2-Dichloropropane	6.41	63	201125	90.51	ug/l	92
46) Dibromomethane	6.26	93	182779	92.08	ug/l	98
47) Bromodichloromethane	6.56	83	481459	94.92	ug/l	99
48) Methyl methacrylate	6.89	41	201203	94.46	ug/l	98
49) 1,4-Dioxane	6.88	88	16027	1663.50	ug/l #	88
51) 4-Methyl-2-Pentanone	8.42	43	873884	421.46	ug/l	100
52) Toluene	7.79	92	516418	91.66	ug/l	96
53) t-1,3-Dichloropropene	8.44	75	412754	92.07	ug/l	99
54) cis-1,3-Dichloropropene	7.47	75	446797	96.06	ug/l	95
55) 1,1,2-Trichloroethane	8.66	97	206456	92.00	ug/l	95
56) Ethyl methacrylate	8.77	69	265750	94.03	ug/l	96
57) 1,3-Dichloropropane	9.01	76	348119	91.18	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.79	63	101272	429.11	ug/l #	100
59) 2-Hexanone	9.64	43	701439	431.17	ug/l	100
60) Dibromochloromethane	8.87	129	352782	96.87	ug/l	98
61) 1,2-Dibromoethane	9.15	107	252716	93.05	ug/l	98
64) Tetrachloroethene	8.32	164	262727	88.11	ug/l	99
65) Chlorobenzene	9.96	112	663040	93.20	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.09	131	308329	95.74	ug/l	96
67) Ethyl Benzene	10.06	91	1159733	91.37	ug/l	99
68) m/p-Xylenes	10.28	106	810710	178.33	ug/l	91
69) o-Xylene	10.84	106	461640	97.72	ug/l	99
70) Styrene	10.91	104	690134	92.33	ug/l	98
71) Bromoform	10.90	173	226570	96.49	ug/l #	99
73) Isopropylbenzene	11.24	105	1296883	89.09	ug/l	96
74) N-amyl acetate	11.48	43	432037	83.63	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.80	83	277872	87.05	ug/l	97
76) 1,2,3-Trichloropropane	11.90	75	233603	88.76	ug/l	98
77) Bromobenzene	11.60	156	351912	85.79	ug/l	82
78) n-propylbenzene	11.70	91	1473007	87.40	ug/l	96
79) 2-Chlorotoluene	11.82	91	900895	88.45	ug/l	100
80) 1,3,5-Trimethylbenzene	11.92	105	1097921	87.73	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.97	75	113070m	90.61	ug/l	
82) 4-Chlorotoluene	12.00	91	1012428	85.79	ug/l	95
83) tert-Butylbenzene	12.22	119	1053584	89.94	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	1124991	89.98	ug/l	98
85) sec-Butylbenzene	12.40	105	1350660	91.28	ug/l	97
86) p-Isopropyltoluene	12.55	119	1136178	86.81	ug/l	97
87) 1,3-Dichlorobenzene	12.57	146	606265	86.32	ug/l	97
88) 1,4-Dichlorobenzene	12.66	146	620513	91.30	ug/l	96
89) n-Butylbenzene	12.92	91	1087998	90.54	ug/l	95
90) Hexachloroethane	13.00	117	266779	90.54	ug/l	91
91) 1,2-Dichlorobenzene	13.03	146	583705	89.15	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.72	75	71472	100.85	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	371049	90.62	ug/l	98
94) Hexachlorobutadiene	14.26	225	198298	109.43	ug/l	95
95) Naphthalene	14.53	128	832673	95.57	ug/l	100
96) 1,2,3-Trichlorobenzene	14.68	180	351055	98.29	ug/l	98

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

