

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111318\
 Data File : VF060708.D
 Acq On : 13 Nov 2018 12:06
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

sam
 11/14/2018 11:53:31 AM

Quant Time: Nov 14 02:55:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 02:40:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	239767	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	392780	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	376943	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	215348	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.86	65	26819	9.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.62%	
35) Dibromofluoromethane	4.13	113	30981	10.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.98%	
50) Toluene-d8	7.57	98	88653	10.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.80%	
62) 4-Bromofluorobenzene	11.42	95	43466	10.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	45349	10.568	ug/l	95
3) Chloromethane	1.10	50	28055	10.542	ug/l	95
4) Vinyl Chloride	1.15	62	23797	9.996	ug/l	96
5) Bromomethane	1.31	94	15373	10.166	ug/l	89
6) Chloroethane	1.39	64	9669	10.381	ug/l	96
7) Trichlorofluoromethane	1.50	101	55342	10.506	ug/l	92
8) Diethyl Ether	1.63	74	6730	9.978	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.83	101	26849	10.823	ug/l	90
10) Methyl Iodide	1.90	142	40474m	10.607	ug/l	
11) Tert butyl alcohol	2.57	59	6521	52.393	ug/l #	86
12) 1,1-Dichloroethene	1.79	96	19983	10.216	ug/l	93
13) Acrolein	2.01	56	6851	60.200	ug/l	89
14) Allyl chloride	2.10	41	39157	11.426	ug/l	92
15) Acrylonitrile	2.95	53	12865	48.508	ug/l	99
16) Acetone	2.25	43	28340	48.482	ug/l	98
17) Carbon Disulfide	1.83	76	61307	10.377	ug/l	98
18) Methyl Acetate	2.35	43	10765m	10.323	ug/l	
19) Methyl tert-butyl Ether	2.43	73	43362	9.240	ug/l	95
20) Methylene Chloride	2.19	84	24084m	10.894	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	21629	10.583	ug/l #	94
22) Diisopropyl ether	2.81	45	64739	9.785	ug/l	96
23) Vinyl Acetate	3.20	43	148822	47.769	ug/l	98
24) 1,1-Dichloroethane	2.88	63	39974	9.980	ug/l	98
25) 2-Butanone	4.35	43	48878	50.836	ug/l #	87
26) 2,2-Dichloropropane	3.61	77	34782	11.035	ug/l	90
27) cis-1,2-Dichloroethene	3.49	96	35989	10.352	ug/l	93
28) Bromochloromethane	3.73	49	19834	9.528	ug/l	97
29) Tetrahydrofuran	4.09	42	20677	52.136	ug/l	98
30) Chloroform	3.87	83	66725	10.383	ug/l	90
31) Cyclohexane	3.70	56	50526	10.393	ug/l	92
32) 1,1,1-Trichloroethane	4.11	97	50898	10.057	ug/l	96
36) 1,1-Dichloropropene	4.29	75	48266	10.596	ug/l	99
37) Ethyl Acetate	4.12	43	17279	10.203	ug/l	95
38) Carbon Tetrachloride	3.99	117	47091	10.654	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	55953	10.587	ug/l	98
40) Benzene	4.65	78	108406	10.676	ug/l	100
41) Methacrylonitrile	4.76	41	14581	14.212	ug/l #	90
42) 1,2-Dichloroethane	4.96	62	36152	10.302	ug/l	97
43) Isopropyl Acetate	6.97	43	22460	10.002	ug/l #	89
44) Trichloroethene	5.51	130	35530	11.090	ug/l	87
45) 1,2-Dichloropropane	6.25	63	29643	11.218	ug/l	94
46) Dibromomethane	6.10	93	18266	10.472	ug/l	94
47) Bromodichloromethane	6.40	83	45345	10.180	ug/l	96
48) Methyl methacrylate	6.72	41	14982	10.082	ug/l	93
49) 1,4-Dioxane	6.73	88	2634	189.518	ug/l	91
51) 4-Methyl-2-Pentanone	8.27	43	87366	53.796	ug/l	94
52) Toluene	7.64	92	73794	10.845	ug/l	100
53) t-1,3-Dichloropropene	8.29	75	37670	10.559	ug/l	95
54) cis-1,3-Dichloropropene	7.32	75	50094	10.810	ug/l	92
55) 1,1,2-Trichloroethane	8.51	97	20026	10.300	ug/l	92
56) Ethyl methacrylate	8.64	69	22375	10.133	ug/l	98
57) 1,3-Dichloropropane	8.88	76	34941	10.370	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.64	63	11159	55.323	ug/l	100
59) 2-Hexanone	9.51	43	63592	55.718	ug/l	99
60) Dibromochloromethane	8.73	129	29578	10.674	ug/l	96
61) 1,2-Dibromoethane	9.00	107	20904	10.223	ug/l	99
64) Tetrachloroethene	8.17	164	29919	10.023	ug/l	97
65) Chlorobenzene	9.81	112	80766	10.618	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.95	131	34650	10.444	ug/l	99
67) Ethyl Benzene	9.92	91	153021	10.673	ug/l	97
68) m/p-Xylenes	10.15	106	112407	21.938	ug/l	98
69) o-Xylene	10.73	106	62431	10.837	ug/l	92
70) Styrene	10.80	104	85047	10.878	ug/l	96
71) Bromoform	10.79	173	13746	9.214	ug/l #	85
73) Isopropylbenzene	11.13	105	183007	10.558	ug/l	95
74) N-amyl acetate	11.38	43	41793	10.591	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.71	83	29966	10.456	ug/l	98
76) 1,2,3-Trichloropropane	11.80	75	20856	9.799	ug/l	89
77) Bromobenzene	11.51	156	36992	10.252	ug/l	94
78) n-propylbenzene	11.61	91	224662	11.113	ug/l	95
79) 2-Chlorotoluene	11.74	91	126471	10.764	ug/l	99
80) 1,3,5-Trimethylbenzene	11.83	105	147579	10.724	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.88	75	10849m	10.624	ug/l	
82) 4-Chlorotoluene	11.91	91	125619	10.436	ug/l	97
83) tert-Butylbenzene	12.14	119	157421	10.774	ug/l	99
84) 1,2,4-Trimethylbenzene	12.22	105	150009	10.540	ug/l	92
85) sec-Butylbenzene	12.32	105	215005	10.847	ug/l	97
86) p-Isopropyltoluene	12.48	119	184393	11.139	ug/l	97
87) 1,3-Dichlorobenzene	12.49	146	79152	11.023	ug/l	97
88) 1,4-Dichlorobenzene	12.57	146	72476	10.502	ug/l	95
89) n-Butylbenzene	12.85	91	193740	11.468	ug/l	93
90) Hexachloroethane	12.93	117	41109	10.153	ug/l	99
91) 1,2-Dichlorobenzene	12.95	146	72329	10.698	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.65	75	4879	9.058	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	52014	10.704	ug/l	92
94) Hexachlorobutadiene	14.20	225	32824	10.337	ug/l	95
95) Naphthalene	14.47	128	89132	10.052	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	44834	9.985	ug/l	97

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

