

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073018\
 Data File : VF059695.D
 Acq On : 30 Jul 2018 18:36
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 90 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 7/31/2018 12:13:08 PM

Quant Time: Jul 31 04:27:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 03:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	201854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	278734	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	285852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	176620	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	39125	12.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	24.68%	
35) Dibromofluoromethane	4.28	113	32907	12.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	24.68%	
50) Toluene-d8	7.70	98	78000	12.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	24.18%	
62) 4-Bromofluorobenzene	11.50	95	40930	11.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	23.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	31892	15.30	ug/l	92
3) Chloromethane	1.08	50	15685	13.31	ug/l	91
4) Vinyl Chloride	1.15	62	15835	12.69	ug/l	95
5) Bromomethane	1.34	94	12534	11.54	ug/l	99
6) Chloroethane	1.43	64	10671	13.71	ug/l	90
7) Trichlorofluoromethane	1.52	101	41762m	11.13	ug/l	
8) Diethyl Ether	1.70	74	7289	13.72	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.89	101	22068	11.07	ug/l	98
10) Methyl Iodide	1.97	142	35347	12.11	ug/l	93
11) Tert butyl alcohol	2.69	59	8147	59.86	ug/l #	90
12) 1,1-Dichloroethene	1.85	96	16344	11.08	ug/l	83
13) Acrolein	2.09	56	2690	44.66	ug/l	86
14) Allyl chloride	2.19	41	28307	11.73	ug/l	92
15) Acrylonitrile	3.06	53	13205	63.65	ug/l #	92
16) Acetone	2.34	43	33668	58.28	ug/l	98
17) Carbon Disulfide	1.89	76	45295	12.63	ug/l #	91
18) Methyl Acetate	2.45	43	15135	15.65	ug/l	99
19) Methyl tert-butyl Ether	2.54	73	50654	12.29	ug/l	100
20) Methylene Chloride	2.28	84	21087	9.91	ug/l #	76
21) trans-1,2-Dichloroethene	2.40	96	17485	11.55	ug/l #	76
22) Diisopropyl ether	2.92	45	57960	12.01	ug/l	98
23) Vinyl Acetate	3.33	43	144427	60.39	ug/l #	92
24) 1,1-Dichloroethane	3.00	63	40874	11.91	ug/l #	95
25) 2-Butanone	4.51	43	38410	60.35	ug/l #	83
26) 2,2-Dichloropropane	3.76	77	28181	10.09	ug/l	96
27) cis-1,2-Dichloroethene	3.63	96	23054	12.99	ug/l	79
28) Bromochloromethane	3.89	49	16594	13.12	ug/l	89
29) Tetrahydrofuran	4.25	42	15819	61.92	ug/l	95
30) Chloroform	4.03	83	56970	11.75	ug/l	97
31) Cyclohexane	3.86	56	24341	12.34	ug/l	98
32) 1,1,1-Trichloroethane	4.27	97	45892	11.54	ug/l	96
36) 1,1-Dichloropropene	4.44	75	36111	11.94	ug/l	96
37) Ethyl Acetate	4.28	43	20367	15.44	ug/l #	80
38) Carbon Tetrachloride	4.17	117	51177m	11.54	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	25683	10.44	ug/l #	82
40) Benzene	4.80	78	65115	12.13	ug/l	96
41) Methacrylonitrile	4.92	41	9586	14.76	ug/l #	85
42) 1,2-Dichloroethane	5.11	62	42060	12.04	ug/l	99
43) Isopropyl Acetate	7.10	43	17563	12.86	ug/l #	80
44) Trichloroethene	5.66	130	26269	12.63	ug/l	81
45) 1,2-Dichloropropane	6.39	63	16025	11.23	ug/l	100
46) Dibromomethane	6.25	93	14472	11.68	ug/l	90
47) Bromodichloromethane	6.54	83	40470	11.15	ug/l	94
48) Methyl methacrylate	6.87	41	13061	12.19	ug/l	92
49) 1,4-Dioxane	6.87	88	2084	243.66	ug/l #	77
51) 4-Methyl-2-Pentanone	8.41	43	68796	62.60	ug/l	94
52) Toluene	7.77	92	46034	11.54	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	37517	12.92	ug/l	96
54) cis-1,3-Dichloropropene	7.45	75	34333	11.39	ug/l #	91
55) 1,1,2-Trichloroethane	8.63	97	16477	12.44	ug/l	92
56) Ethyl methacrylate	8.76	69	15355	10.93	ug/l	100
57) 1,3-Dichloropropane	8.99	76	28894	12.61	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.77	63	11054	65.19	ug/l	100
59) 2-Hexanone	9.63	43	54137	66.41	ug/l	95
60) Dibromochloromethane	8.86	129	29715	12.43	ug/l	99
61) 1,2-Dibromoethane	9.12	107	19406	12.11	ug/l	88
64) Tetrachloroethene	8.31	164	24660	10.83	ug/l	92
65) Chlorobenzene	9.93	112	62311	11.22	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	27907	10.92	ug/l	95
67) Ethyl Benzene	10.03	91	108828	10.81	ug/l	99
68) m/p-Xylenes	10.26	106	80991	23.24	ug/l	98
69) o-Xylene	10.82	106	39346	10.45	ug/l	95
70) Styrene	10.90	104	58735	10.73	ug/l	97
71) Bromoform	10.88	173	18362	11.65	ug/l #	94
73) Isopropylbenzene	11.22	105	132589	11.00	ug/l	99
74) N-amyl acetate	11.46	43	32032	12.96	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.78	83	23260	11.75	ug/l	85
76) 1,2,3-Trichloropropane	11.88	75	20188	12.42	ug/l	96
77) Bromobenzene	11.59	156	33618	11.49	ug/l	92
78) n-propylbenzene	11.68	91	158464	11.41	ug/l	96
79) 2-Chlorotoluene	11.81	91	94736	11.21	ug/l	93
80) 1,3,5-Trimethylbenzene	11.90	105	119436	11.29	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	8143m	9.65	ug/l	
82) 4-Chlorotoluene	11.98	91	103462	11.62	ug/l	98
83) tert-Butylbenzene	12.21	119	116926	10.93	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	119998	11.04	ug/l	94
85) sec-Butylbenzene	12.39	105	153033	10.88	ug/l	98
86) p-Isopropyltoluene	12.54	119	139370	11.52	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	69096	12.11	ug/l	95
88) 1,4-Dichlorobenzene	12.64	146	63944	11.76	ug/l	98
89) n-Butylbenzene	12.91	91	122957	10.51	ug/l	96
90) Hexachloroethane	12.99	117	31108	10.10	ug/l	94
91) 1,2-Dichlorobenzene	13.02	146	62217	11.73	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	5981	12.42	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	47894	11.26	ug/l	97
94) Hexachlorobutadiene	14.25	225	31305	10.01	ug/l	98
95) Naphthalene	14.52	128	80876	11.94	ug/l	97
96) 1,2,3-Trichlorobenzene	14.66	180	44799	11.59	ug/l	86

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

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