

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073018\
 Data File : VF059686.D
 Acq On : 30 Jul 2018 13:36
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 81 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC05

Manual Integrations
 APPROVED

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

Quant Time: Jul 31 04:00:06 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	5.04	168	220701	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	313913	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	297645	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	191378	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	19784	5.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.42%	
35) Dibromofluoromethane	4.29	113	16244	5.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.82%	
50) Toluene-d8	7.70	98	38705	5.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.66%	
62) 4-Bromofluorobenzene	11.51	95	23053	5.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	18419	8.08	ug/l	89
3) Chloromethane	1.08	50	10941m	8.49	ug/l	
4) Vinyl Chloride	1.15	62	9594	7.03	ug/l #	73
5) Bromomethane	1.33	94	8435	7.10	ug/l	87
6) Chloroethane	1.42	64	5475	6.43	ug/l #	82
7) Trichlorofluoromethane	1.53	101	26329m	6.42	ug/l	
8) Diethyl Ether	1.70	74	3406	5.86	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.90	101	13736	6.30	ug/l #	76
10) Methyl Iodide	1.96	142	19792m	6.20	ug/l	
11) Tert butyl alcohol	2.67	59	5540	37.23	ug/l #	89
12) 1,1-Dichloroethene	1.86	96	10373	6.43	ug/l	82
13) Acrolein	2.08	56	1781	27.04	ug/l #	61
14) Allyl chloride	2.18	41	15025	5.69	ug/l	93
15) Acrylonitrile	3.07	53	7245	31.94	ug/l	91
16) Acetone	2.33	43	23277	36.85	ug/l	95
17) Carbon Disulfide	1.84	76	27946m	7.13	ug/l	
18) Methyl Acetate	2.45	43	8317m	7.87	ug/l	
19) Methyl tert-butyl Ether	2.53	73	27296	6.05	ug/l	96
20) Methylene Chloride	2.27	84	27536m	11.84	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	11085	6.70	ug/l #	88
22) Diisopropyl ether	2.92	45	30116	5.71	ug/l #	98
23) Vinyl Acetate	3.33	43	69921	26.74	ug/l	99
24) 1,1-Dichloroethane	3.00	63	21603	5.76	ug/l #	94
25) 2-Butanone	4.51	43	20559	29.54	ug/l #	80
26) 2,2-Dichloropropane	3.75	77	18095	5.93	ug/l	90
27) cis-1,2-Dichloroethene	3.63	96	11282	5.81	ug/l	99
28) Bromochloromethane	3.87	49	8260	5.97	ug/l	88
29) Tetrahydrofuran	4.25	42	10056	36.00	ug/l #	77
30) Chloroform	4.03	83	31219	5.89	ug/l	95
31) Cyclohexane	3.86	56	13622	6.32	ug/l	91
32) 1,1,1-Trichloroethane	4.27	97	22964	5.28	ug/l #	86
36) 1,1-Dichloropropene	4.45	75	19643	5.77	ug/l	99
37) Ethyl Acetate	4.28	43	8118	5.47	ug/l #	62
38) Carbon Tetrachloride	4.16	117	27347	5.47	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.63	83	16528	5.96	ug/l #	85
40) Benzene	4.80	78	33179	5.49	ug/l #	90
41) Methacrylonitrile	4.91	41	4289	5.86	ug/l #	82
42) 1,2-Dichloroethane	5.11	62	22320	5.67	ug/l	93
43) Isopropyl Acetate	7.10	43	7543	4.90	ug/l #	90
44) Trichloroethene	5.66	130	13078	5.58	ug/l	91
45) 1,2-Dichloropropane	6.39	63	8974	5.58	ug/l	92
46) Dibromomethane	6.24	93	7833	5.61	ug/l	88
47) Bromodichloromethane	6.54	83	23113	5.65	ug/l	93
48) Methyl methacrylate	6.86	41	6809	5.64	ug/l #	89
49) 1,4-Dioxane	6.86	88	1496	155.31	ug/l #	69
51) 4-Methyl-2-Pentanone	8.39	43	36385	29.40	ug/l	92
52) Toluene	7.77	92	25518	5.68	ug/l	87
53) t-1,3-Dichloropropene	8.42	75	18589	5.68	ug/l	96
54) cis-1,3-Dichloropropene	7.46	75	18898	5.57	ug/l #	89
55) 1,1,2-Trichloroethane	8.63	97	8516	5.71	ug/l #	86
56) Ethyl methacrylate	8.76	69	7457	4.71	ug/l	93
57) 1,3-Dichloropropane	8.99	76	14232	5.52	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.77	63	4859	25.44	ug/l	100
59) 2-Hexanone	9.62	43	21339	23.24	ug/l	88
60) Dibromochloromethane	8.86	129	13929	5.18	ug/l	86
61) 1,2-Dibromoethane	9.13	107	10562	5.85	ug/l	84
64) Tetrachloroethene	8.30	164	14270	6.02	ug/l #	87
65) Chlorobenzene	9.94	112	34675	6.00	ug/l	92
66) 1,1,1,2-Tetrachloroethane	10.07	131	14673	5.51	ug/l	89
67) Ethyl Benzene	10.04	91	59605	5.68	ug/l	94
68) m/p-Xylenes	10.26	106	41934	11.55	ug/l	99
69) o-Xylene	10.83	106	21865	5.58	ug/l	95
70) Styrene	10.90	104	30766	5.40	ug/l	95
71) Bromoform	10.89	173	9008	5.49	ug/l	94
73) Isopropylbenzene	11.22	105	69654	5.33	ug/l	93
74) N-amyl acetate	11.46	43	13785	5.15	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	11.78	83	12235	5.70	ug/l	92
76) 1,2,3-Trichloropropane	11.88	75	10126	5.75	ug/l	92
77) Bromobenzene	11.59	156	18292	5.77	ug/l	93
78) n-propylbenzene	11.68	91	84897	5.64	ug/l	98
79) 2-Chlorotoluene	11.81	91	50099	5.47	ug/l	89
80) 1,3,5-Trimethylbenzene	11.91	105	63827	5.57	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	4169m	4.56	ug/l	
82) 4-Chlorotoluene	11.99	91	54784	5.68	ug/l	91
83) tert-Butylbenzene	12.21	119	60335	5.21	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	64568	5.48	ug/l	96
85) sec-Butylbenzene	12.38	105	83674	5.49	ug/l	100
86) p-Isopropyltoluene	12.53	119	72382	5.52	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	37525	6.07	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	32361	5.49	ug/l	90
89) n-Butylbenzene	12.92	91	67900	5.36	ug/l	95
90) Hexachloroethane	13.00	117	18356	5.50	ug/l	75
91) 1,2-Dichlorobenzene	13.01	146	34033	5.92	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.70	75	2497	4.79	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	26965	5.85	ug/l	91
94) Hexachlorobutadiene	14.26	225	18364	5.42	ug/l	91
95) Naphthalene	14.52	128	37844	5.16	ug/l	97
96) 1,2,3-Trichlorobenzene	14.66	180	22453	5.36	ug/l	98

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

