

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF090618\
 Data File : VF060198.D
 Acq On : 6 Sep 2018 12:15
 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

apatel
 9/7/2018 10:50:01 AM

Quant Time: Sep 07 02:09:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 07 01:56:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	165693	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	237770	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	235632	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	143609	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	28809	10.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.02%	
35) Dibromofluoromethane	4.28	113	23190	9.99	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	19.98%	
50) Toluene-d8	7.70	98	59035	10.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.44%	
62) 4-Bromofluorobenzene	11.51	95	30022	9.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	34116m	11.24	ug/l	
3) Chloromethane	1.08	50	16356	9.81	ug/l	95
4) Vinyl Chloride	1.13	62	13084	10.33	ug/l	94
5) Bromomethane	1.32	94	10886	9.54	ug/l	96
6) Chloroethane	1.40	64	7625	9.23	ug/l	90
7) Trichlorofluoromethane	1.49	101	41327	11.59	ug/l	86
8) Diethyl Ether	1.70	74	5191	9.77	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.87	101	18054	10.30	ug/l	93
10) Methyl Iodide	1.92	142	15947	10.39	ug/l	91
11) Tert butyl alcohol	2.69	59	4356	34.09	ug/l #	71
12) 1,1-Dichloroethene	1.84	96	12194	10.32	ug/l	81
13) Acrolein	2.09	56	3473m	51.24	ug/l	
14) Allyl chloride	2.19	41	17388	9.81	ug/l	98
15) Acrylonitrile	3.08	53	10031	46.08	ug/l	86
16) Acetone	2.34	43	25935	41.40	ug/l	99
17) Carbon Disulfide	1.85	76	34384	9.95	ug/l	100
18) Methyl Acetate	2.45	43	8813	8.70	ug/l	99
19) Methyl tert-butyl Ether	2.54	73	38019	9.75	ug/l	97
20) Methylene Chloride	2.28	84	26145	13.84	ug/l #	83
21) trans-1,2-Dichloroethene	2.41	96	11749	9.77	ug/l	91
22) Diisopropyl ether	2.92	45	44734	10.05	ug/l #	97
23) Vinyl Acetate	3.33	43	53281	34.20	ug/l	98
24) 1,1-Dichloroethane	3.00	63	29042	10.03	ug/l	97
25) 2-Butanone	4.51	43	39218	49.17	ug/l	94
26) 2,2-Dichloropropane	3.76	77	27672	7.89	ug/l	97
27) cis-1,2-Dichloroethene	3.63	96	15328	9.83	ug/l	88
28) Bromochloromethane	3.89	49	11150	11.43	ug/l	96
29) Tetrahydrofuran	4.25	42	10570	39.81	ug/l	90
30) Chloroform	4.03	83	41667	9.75	ug/l	100
31) Cyclohexane	3.85	56	20925	10.70	ug/l	90
32) 1,1,1-Trichloroethane	4.27	97	44041	10.38	ug/l	90
36) 1,1-Dichloropropene	4.46	75	27682	10.03	ug/l	99
37) Ethyl Acetate	4.29	43	13095	8.62	ug/l #	66
38) Carbon Tetrachloride	4.16	117	36388	9.43	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	22359	9.59	ug/l	99
40) Benzene	4.80	78	48317	9.84	ug/l	96
41) Methacrylonitrile	4.92	41	6950	9.65	ug/l #	88
42) 1,2-Dichloroethane	5.11	62	34715	9.63	ug/l	99
43) Isopropyl Acetate	7.10	43	13763	8.46	ug/l #	92
44) Trichloroethene	5.66	130	20977	10.37	ug/l	80
45) 1,2-Dichloropropane	6.40	63	14594	10.40	ug/l #	87
46) Dibromomethane	6.24	93	11302	9.01	ug/l #	83
47) Bromodichloromethane	6.55	83	31000	9.15	ug/l #	85
48) Methyl methacrylate	6.86	41	11257	8.74	ug/l	89
49) 1,4-Dioxane	6.89	88	137m	4.71	ug/l	
51) 4-Methyl-2-Pentanone	8.40	43	61344	42.43	ug/l	96
52) Toluene	7.77	92	39243	10.31	ug/l	91
53) t-1,3-Dichloropropene	8.42	75	22530	7.97	ug/l	90
54) cis-1,3-Dichloropropene	7.45	75	24686	8.51	ug/l	98
55) 1,1,2-Trichloroethane	8.63	97	12702	8.88	ug/l	93
56) Ethyl methacrylate	8.76	69	13627	8.46	ug/l	88
57) 1,3-Dichloropropane	8.99	76	25223	10.01	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.77	63	8471	49.31	ug/l	100
59) 2-Hexanone	9.62	43	40821	37.49	ug/l	95
60) Dibromochloromethane	8.85	129	21707	9.20	ug/l	82
61) 1,2-Dibromoethane	9.13	107	16181	9.48	ug/l	87
64) Tetrachloroethene	8.29	164	31311	11.42	ug/l	91
65) Chlorobenzene	9.93	112	49911	10.28	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	22144	10.33	ug/l	96
67) Ethyl Benzene	10.03	91	92591	10.28	ug/l	98
68) m/p-Xylenes	10.26	106	62625	20.75	ug/l	99
69) o-Xylene	10.83	106	34878	10.77	ug/l	93
70) Styrene	10.89	104	52398	10.70	ug/l	97
71) Bromoform	10.88	173	10966	8.76	ug/l #	99
73) Isopropylbenzene	11.22	105	107491	10.85	ug/l	93
74) N-amyl acetate	11.46	43	11914	7.23	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	14557	9.79	ug/l	95
76) 1,2,3-Trichloropropane	11.88	75	16171	10.28	ug/l	75
77) Bromobenzene	11.58	156	28951	11.20	ug/l	88
78) n-propylbenzene	11.68	91	126198	10.68	ug/l	97
79) 2-Chlorotoluene	11.81	91	76022	10.63	ug/l	94
80) 1,3,5-Trimethylbenzene	11.91	105	93630	10.74	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	3216m	6.34	ug/l	
82) 4-Chlorotoluene	11.98	91	86834	10.96	ug/l	99
83) tert-Butylbenzene	12.21	119	84290	10.67	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	93537	10.52	ug/l	96
85) sec-Butylbenzene	12.38	105	117713	10.85	ug/l	98
86) p-Isopropyltoluene	12.53	119	103332	10.65	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	48686	10.35	ug/l	94
88) 1,4-Dichlorobenzene	12.64	146	48304	10.40	ug/l	93
89) n-Butylbenzene	12.92	91	93944	10.04	ug/l	95
90) Hexachloroethane	12.98	117	17869	9.05	ug/l	81
91) 1,2-Dichlorobenzene	13.01	146	48247	10.74	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	3229	8.51	ug/l #	61

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	32141	9.28	ug/l	97
94) Hexachlorobutadiene	14.26	225	23662	9.55	ug/l	95
95) Naphthalene	14.52	128	33171	6.85	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	28595	8.82	ug/l	93

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

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