

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072318\
 Data File : VF059611.D
 Acq On : 23 Jul 2018 13:23
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 82 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 7/24/2018 1:13:25 PM

Quant Time: Jul 23 16:05:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072318S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 23 14:51:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	229807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	327315	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	318373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	169708	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	36365	10.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.10%	
35) Dibromofluoromethane	4.29	113	29536	10.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.50%	
50) Toluene-d8	7.71	98	74437	10.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.82%	
62) 4-Bromofluorobenzene	11.51	95	40949	10.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	30684	10.69	ug/l	84
3) Chloromethane	1.08	50	15128	10.50	ug/l	94
4) Vinyl Chloride	1.14	62	13973	8.88	ug/l #	84
5) Bromomethane	1.34	94	14590	12.32	ug/l	97
6) Chloroethane	1.42	64	9179	10.64	ug/l #	89
7) Trichlorofluoromethane	1.49	101	42923	11.84	ug/l	87
8) Diethyl Ether	1.69	74	6027	8.99	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	1.89	101	23207	12.82	ug/l #	88
10) Methyl Iodide	1.96	142	39132	12.62	ug/l	97
11) Tert butyl alcohol	2.68	59	8071	51.78	ug/l	99
12) 1,1-Dichloroethene	1.85	96	17623	10.34	ug/l	96
13) Acrolein	2.08	56	3013	37.43	ug/l	99
14) Allyl chloride	2.19	41	29343	11.95	ug/l	90
15) Acrylonitrile	3.05	53	12518	46.09	ug/l #	72
16) Acetone	2.33	43	34117	56.56	ug/l	98
17) Carbon Disulfide	1.86	76	46837	11.92	ug/l	95
18) Methyl Acetate	2.44	43	12106m	9.92	ug/l	
19) Methyl tert-butyl Ether	2.53	73	49707	9.61	ug/l	94
20) Methylene Chloride	2.27	84	22211	11.46	ug/l	88
21) trans-1,2-Dichloroethene	2.41	96	18988	11.47	ug/l	85
22) Diisopropyl ether	2.92	45	57495	9.79	ug/l #	91
23) Vinyl Acetate	3.33	43	144682	44.10	ug/l #	97
24) 1,1-Dichloroethane	2.99	63	41379	10.91	ug/l	97
25) 2-Butanone	4.50	43	33196	43.30	ug/l	94
26) 2,2-Dichloropropane	3.76	77	35838	13.30	ug/l	91
27) cis-1,2-Dichloroethene	3.63	96	20167	10.74	ug/l	93
28) Bromochloromethane	3.88	49	14890	9.55	ug/l	93
29) Tetrahydrofuran	4.25	42	13402	40.30	ug/l	98
30) Chloroform	4.03	83	55864	10.41	ug/l	92
31) Cyclohexane	3.87	56	24473	11.80	ug/l	89
32) 1,1,1-Trichloroethane	4.27	97	54376	13.70	ug/l	93
36) 1,1-Dichloropropene	4.44	75	34998	10.66	ug/l	91
37) Ethyl Acetate	4.28	43	11958	6.72	ug/l #	77
38) Carbon Tetrachloride	4.16	117	56282m	12.92	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	28423	10.92	ug/l #	82
40) Benzene	4.80	78	63763	10.09	ug/l	99
41) Methacrylonitrile	4.92	41	6567	7.46	ug/l #	68
42) 1,2-Dichloroethane	5.10	62	42742	10.07	ug/l	100
43) Isopropyl Acetate	7.11	43	16963	7.81	ug/l #	99
44) Trichloroethene	5.67	130	24701	10.38	ug/l	98
45) 1,2-Dichloropropane	6.40	63	17475	10.03	ug/l	95
46) Dibromomethane	6.25	93	12884	8.38	ug/l	93
47) Bromodichloromethane	6.54	83	42068	9.93	ug/l #	96
48) Methyl methacrylate	6.87	41	13703	8.85	ug/l #	80
49) 1,4-Dioxane	6.87	88	1347	153.38	ug/l #	72
51) 4-Methyl-2-Pentanone	8.41	43	59492	38.74	ug/l	98
52) Toluene	7.78	92	48620	10.36	ug/l	93
53) t-1,3-Dichloropropene	8.43	75	34036	9.07	ug/l	96
54) cis-1,3-Dichloropropene	7.45	75	33171	8.84	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	15621	8.84	ug/l	87
56) Ethyl methacrylate	8.75	69	16256	7.72	ug/l	90
57) 1,3-Dichloropropane	9.00	76	26704	8.61	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.77	63	11206	56.96	ug/l	100
59) 2-Hexanone	9.63	43	46061	38.25	ug/l	96
60) Dibromochloromethane	8.86	129	27264	9.12	ug/l	88
61) 1,2-Dibromoethane	9.13	107	17649	8.41	ug/l	85
64) Tetrachloroethene	8.31	164	27097	11.37	ug/l #	84
65) Chlorobenzene	9.93	112	63921	10.51	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	28778	10.45	ug/l	94
67) Ethyl Benzene	10.03	91	117939	10.98	ug/l	99
68) m/p-Xylenes	10.26	106	82083	22.25	ug/l	93
69) o-Xylene	10.82	106	45095	11.15	ug/l	79
70) Styrene	10.90	104	65805	10.86	ug/l	93
71) Bromoform	10.89	173	16592	8.86	ug/l	96
73) Isopropylbenzene	11.23	105	138205	13.10	ug/l	99
74) N-amyl acetate	11.46	43	26977	8.76	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.79	83	21500	10.02	ug/l	87
76) 1,2,3-Trichloropropane	11.88	75	19088	10.65	ug/l	83
77) Bromobenzene	11.59	156	34268	11.72	ug/l	96
78) n-propylbenzene	11.69	91	170375	13.75	ug/l	98
79) 2-Chlorotoluene	11.81	91	103046	13.71	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	126398	14.01	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	7125m	8.15	ug/l	
82) 4-Chlorotoluene	11.98	91	112823	13.45	ug/l	100
83) tert-Butylbenzene	12.21	119	129366	14.72	ug/l	94
84) 1,2,4-Trimethylbenzene	12.28	105	128916	13.80	ug/l	99
85) sec-Butylbenzene	12.39	105	160656	14.30	ug/l	97
86) p-Isopropyltoluene	12.54	119	139441	14.24	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	71845	14.00	ug/l	95
88) 1,4-Dichlorobenzene	12.64	146	58405	11.49	ug/l	95
89) n-Butylbenzene	12.92	91	134295	14.53	ug/l	96
90) Hexachloroethane	12.99	117	33496	14.20	ug/l	97
91) 1,2-Dichlorobenzene	13.02	146	64262	13.12	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	4615	8.78	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	47986	14.72	µg/l	92
94) Hexachlorobutadiene	14.25	225	32282	16.99	µg/l	96
95) Naphthalene	14.52	128	70795	11.39	µg/l	97
96) 1,2,3-Trichlorobenzene	14.67	180	40738	13.85	µg/l	97

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

