

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072318\
 Data File : VF059610.D
 Acq On : 23 Jul 2018 12:55
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 81 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 7/24/2018 1:13:21 PM

Quant Time: Jul 23 16:11:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072318S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 23 14:43:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	249590	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	339601	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	334721	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	223143	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	21499	5.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.96%	
35) Dibromofluoromethane	4.29	113	15653	5.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.50%	
50) Toluene-d8	7.70	98	37509	5.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.00%	
62) 4-Bromofluorobenzene	11.51	95	21866	5.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	17996	5.78	ug/l	77
3) Chloromethane	1.08	50	7621	4.59	ug/l	95
4) Vinyl Chloride	1.14	62	9345	5.51	ug/l #	82
5) Bromomethane	1.34	94	8400	6.84	ug/l	98
6) Chloroethane	1.43	64	5844	6.61	ug/l	95
7) Trichlorofluoromethane	1.49	101	22618m	5.77	ug/l	
8) Diethyl Ether	1.69	74	2957	3.81	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.90	101	13129	7.10	ug/l	92
10) Methyl Iodide	1.96	142	19738	6.16	ug/l #	78
11) Tert butyl alcohol	2.69	59	5198	29.94	ug/l #	94
12) 1,1-Dichloroethene	1.85	96	9953	5.30	ug/l	86
13) Acrolein	2.08	56	2444	26.13	ug/l	97
14) Allyl chloride	2.19	41	19372	7.82	ug/l #	89
15) Acrylonitrile	3.06	53	6746	21.69	ug/l #	72
16) Acetone	2.33	43	21813	33.89	ug/l	99
17) Carbon Disulfide	1.86	76	25024	5.84	ug/l #	92
18) Methyl Acetate	2.44	43	8876m	6.87	ug/l	
19) Methyl tert-butyl Ether	2.53	73	30550	5.41	ug/l #	92
20) Methylene Chloride	2.27	84	15593m	7.28	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	10539	6.07	ug/l	85
22) Diisopropyl ether	2.92	45	31707	4.95	ug/l #	95
23) Vinyl Acetate	3.33	43	76874	20.85	ug/l #	91
24) 1,1-Dichloroethane	2.99	63	23102	5.69	ug/l	97
25) 2-Butanone	4.50	43	21868	25.42	ug/l	97
26) 2,2-Dichloropropane	3.76	77	19642	6.98	ug/l	99
27) cis-1,2-Dichloroethene	3.63	96	10544	5.24	ug/l	94
28) Bromochloromethane	3.88	49	9189	5.37	ug/l	91
29) Tetrahydrofuran	4.25	42	8962	23.10	ug/l #	92
30) Chloroform	4.04	83	30967	5.32	ug/l	97
31) Cyclohexane	3.86	56	12471	5.81	ug/l	99
32) 1,1,1-Trichloroethane	4.27	97	27934	6.96	ug/l	89
36) 1,1-Dichloropropene	4.45	75	17659	5.18	ug/l #	86
37) Ethyl Acetate	4.29	43	7506	3.82	ug/l #	71
38) Carbon Tetrachloride	4.16	117	28196	6.65	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	14385	5.47	ug/l	92
40) Benzene	4.80	78	34464	5.27	ug/l	93
41) Methacrylonitrile	4.91	41	4013	4.16	ug/l #	68
42) 1,2-Dichloroethane	5.11	62	23903	5.53	ug/l	98
43) Isopropyl Acetate	7.10	43	9701	4.13	ug/l #	96
44) Trichloroethene	5.67	130	13189	5.37	ug/l	90
45) 1,2-Dichloropropane	6.40	63	8874	4.90	ug/l	95
46) Dibromomethane	6.25	93	7130	4.34	ug/l	84
47) Bromodichloromethane	6.54	83	22759	5.27	ug/l #	95
48) Methyl methacrylate	6.88	41	7316	4.38	ug/l #	90
49) 1,4-Dioxane	6.86	88	1403	182.02	ug/l #	74
51) 4-Methyl-2-Pentanone	8.40	43	38756	23.52	ug/l	93
52) Toluene	7.78	92	27303	5.70	ug/l	91
53) t-1,3-Dichloropropene	8.42	75	19240	4.92	ug/l	95
54) cis-1,3-Dichloropropene	7.45	75	19062	4.90	ug/l	92
55) 1,1,2-Trichloroethane	8.63	97	9222	5.07	ug/l #	85
56) Ethyl methacrylate	8.75	69	10032	4.51	ug/l #	75
57) 1,3-Dichloropropane	9.00	76	16106	5.00	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.77	63	5536	27.05	ug/l	100
59) 2-Hexanone	9.63	43	32021	25.45	ug/l	93
60) Dibromochloromethane	8.86	129	15398	4.96	ug/l	91
61) 1,2-Dibromoethane	9.13	107	9262	4.09	ug/l #	79
64) Tetrachloroethene	8.30	164	13879	5.57	ug/l	92
65) Chlorobenzene	9.93	112	34753	5.51	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.06	131	15807	5.50	ug/l	89
67) Ethyl Benzene	10.03	91	62925	5.62	ug/l	100
68) m/p-Xylenes	10.26	106	40085	10.20	ug/l	88
69) o-Xylene	10.83	106	21425	5.07	ug/l	77
70) Styrene	10.90	104	31820	4.91	ug/l	98
71) Bromoform	10.88	173	10378	5.33	ug/l	76
73) Isopropylbenzene	11.23	105	68549	4.88	ug/l	98
74) N-amyl acetate	11.46	43	15147	3.51	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.79	83	13315	4.50	ug/l	94
76) 1,2,3-Trichloropropane	11.89	75	11490	4.74	ug/l	88
77) Bromobenzene	11.59	156	19501	5.01	ug/l	93
78) n-propylbenzene	11.68	91	88355	5.44	ug/l	92
79) 2-Chlorotoluene	11.81	91	52783	5.30	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	64104	5.40	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.95	75	4074m	3.52	ug/l	
82) 4-Chlorotoluene	11.98	91	59331	5.36	ug/l	95
83) tert-Butylbenzene	12.21	119	63534	5.56	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	66647	5.44	ug/l	98
85) sec-Butylbenzene	12.39	105	82927	5.68	ug/l	96
86) p-Isopropyltoluene	12.54	119	68173	5.33	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	36615	5.42	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	35801	5.35	ug/l	96
89) n-Butylbenzene	12.92	91	64858	5.41	ug/l	96
90) Hexachloroethane	12.99	117	19138	6.44	ug/l	89
91) 1,2-Dichlorobenzene	13.02	146	35705	5.54	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.71	75	3513	5.21	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	25328	6.20	ug/l	95
94) Hexachlorobutadiene	14.25	225	17056	7.60	ug/l	96
95) Naphthalene	14.52	128	40791	5.00	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	21749	5.83	ug/l	96

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

