

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF091918\
 Data File : VF060279.D
 Acq On : 19 Sep 2018 13:45
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 9/20/2018 11:41:21 AM

Quant Time: Sep 20 02:32:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:18:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	252679	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	403794	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	345624	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	184094	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	71220	20.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.86%	
35) Dibromofluoromethane	4.29	113	80437	22.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	44.70%	
50) Toluene-d8	7.71	98	205750	21.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.90%	
62) 4-Bromofluorobenzene	11.50	95	80875	19.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	110404	24.61	ug/l	97
3) Chloromethane	1.12	50	82616	24.27	ug/l	96
4) Vinyl Chloride	1.17	62	84197	23.99	ug/l	95
5) Bromomethane	1.36	94	52949	22.49	ug/l	96
6) Chloroethane	1.43	64	35970	21.52	ug/l	98
7) Trichlorofluoromethane	1.53	101	151575	23.18	ug/l	94
8) Diethyl Ether	1.69	74	24079	22.14	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	1.90	101	79422	22.84	ug/l	95
10) Methyl Iodide	1.98	142	127825m	22.80	ug/l	
11) Tert butyl alcohol	2.67	59	23768	109.59	ug/l	97
12) 1,1-Dichloroethene	1.85	96	66737	23.21	ug/l	99
13) Acrolein	2.08	56	10454	98.61	ug/l	93
14) Allyl chloride	2.18	41	104918	20.91	ug/l	# 95
15) Acrylonitrile	3.07	53	50200	104.47	ug/l	90
16) Acetone	2.34	43	96362	100.57	ug/l	99
17) Carbon Disulfide	1.88	76	213635	24.62	ug/l	98
18) Methyl Acetate	2.44	43	25427	15.93	ug/l	96
19) Methyl tert-butyl Ether	2.53	73	149780	20.89	ug/l	98
20) Methylene Chloride	2.27	84	70537m	20.71	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	64543	21.73	ug/l	83
22) Diisopropyl ether	2.92	45	206114	21.77	ug/l	97
23) Vinyl Acetate	3.32	43	393433	105.81	ug/l	99
24) 1,1-Dichloroethane	3.00	63	137775	22.44	ug/l	# 98
25) 2-Butanone	4.50	43	132806	102.97	ug/l	99
26) 1,2-Dichloropropane	3.76	77	75767	21.63	ug/l	92
27) cis-1,2-Dichloroethene	3.63	96	83589	21.42	ug/l	96
28) Bromochloromethane	3.87	49	49660	20.77	ug/l	96
29) Tetrahydrofuran	4.25	42	47285	100.12	ug/l	94
30) Chloroform	4.03	83	168399	22.73	ug/l	98
31) Cyclohexane	3.85	56	124257	23.96	ug/l	90
32) 1,1,1-Trichloroethane	4.27	97	120372	20.59	ug/l	96
36) 1,1-Dichloropropene	4.45	75	120381	23.90	ug/l	93
37) Ethyl Acetate	4.28	43	47445	22.26	ug/l	96
38) Carbon Tetrachloride	4.16	117	128360	22.33	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	131899	24.16	ug/l	94
40) Benzene	4.80	78	263676	23.09	ug/l	97
41) Methacrylonitrile	4.91	41	24561	21.24	ug/l #	86
42) 1,2-Dichloroethane	5.11	62	90175	21.45	ug/l	98
43) Isopropyl Acetate	7.11	43	50075	19.52	ug/l	100
44) Trichloroethene	5.67	130	78037	22.96	ug/l	92
45) 1,2-Dichloropropane	6.40	63	63970	21.64	ug/l #	87
46) Dibromomethane	6.25	93	46148	21.84	ug/l	98
47) Bromodichloromethane	6.54	83	108817	21.43	ug/l	98
48) Methyl methacrylate	6.86	41	35089	19.48	ug/l	92
49) 1,4-Dioxane	6.86	88	7185	446.54	ug/l #	87
51) 4-Methyl-2-Pentanone	8.40	43	192688	97.44	ug/l	92
52) Toluene	7.77	92	162382	22.47	ug/l	97
53) t-1,3-Dichloropropene	8.42	75	91383	22.31	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	113122	21.93	ug/l	98
55) 1,1,2-Trichloroethane	8.63	97	47778	21.79	ug/l	97
56) Ethyl methacrylate	8.75	69	53329	20.14	ug/l #	90
57) 1,3-Dichloropropane	8.99	76	74972	20.65	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.77	63	27491	117.42	ug/l	100
59) 2-Hexanone	9.62	43	130904	92.97	ug/l	98
60) Dibromochloromethane	8.86	129	70699	21.63	ug/l	97
61) 1,2-Dibromoethane	9.13	107	51921	21.26	ug/l	94
64) Tetrachloroethene	8.30	164	71501	22.82	ug/l	93
65) Chlorobenzene	9.94	112	172454	22.02	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.06	131	72984	22.45	ug/l	95
67) Ethyl Benzene	10.03	91	332952	22.99	ug/l	99
68) m/p-Xylenes	10.26	106	229922	45.95	ug/l	100
69) o-Xylene	10.82	106	130305	23.22	ug/l	96
70) Styrene	10.89	104	182097	23.01	ug/l	98
71) Bromoform	10.88	173	40509	22.69	ug/l	93
73) Isopropylbenzene	11.23	105	383095	23.18	ug/l	97
74) N-amyl acetate	11.46	43	70889	20.11	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	62557	21.36	ug/l	100
76) 1,2,3-Trichloropropane	11.88	75	42231	20.14	ug/l	86
77) Bromobenzene	11.59	156	76007	21.34	ug/l	98
78) n-propylbenzene	11.68	91	445783	22.85	ug/l	98
79) 2-Chlorotoluene	11.81	91	262703	23.56	ug/l	95
80) 1,3,5-Trimethylbenzene	11.91	105	315453	23.71	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.96	75	22310m	16.51	ug/l	
82) 4-Chlorotoluene	11.99	91	248899	22.21	ug/l	99
83) tert-Butylbenzene	12.21	119	305961	22.69	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	302951	22.43	ug/l	97
85) sec-Butylbenzene	12.38	105	435744	23.34	ug/l	95
86) p-Isopropyltoluene	12.54	119	346453	23.45	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	149566	22.47	ug/l	99
88) 1,4-Dichlorobenzene	12.65	146	146516	22.27	ug/l	98
89) n-Butylbenzene	12.91	91	370439	23.70	ug/l	98
90) Hexachloroethane	12.99	117	85447	22.64	ug/l	93
91) 1,2-Dichlorobenzene	13.02	146	137882	21.72	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	11386	20.71	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	100195	21.71	ug/l	95
94) Hexachlorobutadiene	14.25	225	72912	23.37	ug/l	99
95) Naphthalene	14.52	128	171714	21.22	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	95786	22.46	ug/l	94

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

