

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF091918\
 Data File : VF060277.D
 Acq On : 19 Sep 2018 12:50
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 9/20/2018 11:40:01 AM

Quant Time: Sep 20 02:26:07 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	5.03	168	260090	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	439783	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	392132	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	208438	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	19825	5.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	11.32%	
35) Dibromofluoromethane	4.28	113	21268	5.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.86%	
50) Toluene-d8	7.70	98	57168	5.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	11.20%	
62) 4-Bromofluorobenzene	11.50	95	28670	6.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	13.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	27335	5.92	ug/l	97
3) Chloromethane	1.12	50	20319m	5.80	ug/l	
4) Vinyl Chloride	1.17	62	21127	5.85	ug/l	98
5) Bromomethane	1.36	94	15112	6.24	ug/l	93
6) Chloroethane	1.42	64	10542	6.13	ug/l #	71
7) Trichlorofluoromethane	1.53	101	38140	5.67	ug/l	96
8) Diethyl Ether	1.69	74	6791	6.07	ug/l	59
9) 1,1,2-Trichlorotrifluoroet	1.88	101	21203	5.92	ug/l	92
10) Methyl Iodide	1.96	142	33270	5.77	ug/l #	79
11) Tert butyl alcohol	2.68	59	6167	27.62	ug/l #	42
12) 1,1-Dichloroethene	1.85	96	17183	5.81	ug/l #	68
13) Acrolein	2.08	56	5170	47.38	ug/l #	68
14) Allyl chloride	2.18	41	27762	5.38	ug/l	96
15) Acrylonitrile	3.06	53	14529	29.37	ug/l #	93
16) Acetone	2.33	43	29635	30.05	ug/l	95
17) Carbon Disulfide	1.87	76	53793	6.02	ug/l	100
18) Methyl Acetate	2.44	43	10186	6.20	ug/l	93
19) Methyl tert-butyl Ether	2.53	73	42389	5.74	ug/l #	87
20) Methylene Chloride	2.28	84	27279m	7.78	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	18218	5.96	ug/l	92
22) Diisopropyl ether	2.92	45	54321	5.57	ug/l #	92
23) Vinyl Acetate	3.32	43	106059	27.71	ug/l	99
24) 1,1-Dichloroethane	2.99	63	37860	5.99	ug/l	98
25) 2-Butanone	4.50	43	36156	27.24	ug/l	96
26) 2,2-Dichloropropane	3.74	77	21117	5.86	ug/l	99
27) cis-1,2-Dichloroethene	3.63	96	21754	5.42	ug/l	85
28) Bromochloromethane	3.87	49	14472	5.88	ug/l	89
29) Tetrahydrofuran	4.25	42	14817	30.48	ug/l	98
30) Chloroform	4.02	83	41108	5.39	ug/l	96
31) Cyclohexane	3.85	56	31241	5.85	ug/l	86
32) 1,1,1-Trichloroethane	4.27	97	32775	5.45	ug/l	96
36) 1,1-Dichloropropene	4.44	75	27565	5.02	ug/l	98
37) Ethyl Acetate	4.28	43	12809	5.52	ug/l #	70
38) Carbon Tetrachloride	4.16	117	31380	5.01	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	34248	5.76	ug/l	93
40) Benzene	4.80	78	68269	5.49	ug/l #	89
41) Methacrylonitrile	4.91	41	7762	6.16	ug/l #	88
42) 1,2-Dichloroethane	5.11	62	23427	5.12	ug/l	98
43) Isopropyl Acetate	7.11	43	15987	5.72	ug/l #	94
44) Trichloroethene	5.67	130	20381	5.51	ug/l	93
45) 1,2-Dichloropropane	6.40	63	18415	5.72	ug/l	93
46) Dibromomethane	6.24	93	11839	5.14	ug/l #	85
47) Bromodichloromethane	6.54	83	29933	5.41	ug/l	99
48) Methyl methacrylate	6.87	41	11584	5.91	ug/l	93
49) 1,4-Dioxane	6.86	88	1916	109.33	ug/l #	57
51) 4-Methyl-2-Pentanone	8.40	43	55817	25.92	ug/l	89
52) Toluene	7.77	92	46396	5.90	ug/l	95
53) t-1,3-Dichloropropene	8.42	75	24770	5.55	ug/l	96
54) cis-1,3-Dichloropropene	7.45	75	29599	5.27	ug/l #	87
55) 1,1,2-Trichloroethane	8.62	97	12421	5.20	ug/l #	85
56) Ethyl methacrylate	8.75	69	15652	5.43	ug/l #	85
57) 1,3-Dichloropropane	8.99	76	21059	5.33	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.78	63	7537	29.56	ug/l	100
59) 2-Hexanone	9.62	43	41963	27.36	ug/l	91
60) Dibromochloromethane	8.86	129	18677	5.25	ug/l	97
61) 1,2-Dibromoethane	9.13	107	14182	5.33	ug/l	90
64) Tetrachloroethene	8.30	164	19915	5.60	ug/l	94
65) Chlorobenzene	9.94	112	48474	5.45	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	19843	5.38	ug/l	92
67) Ethyl Benzene	10.03	91	93527	5.69	ug/l	98
68) m/p-Xylenes	10.26	106	65140	11.47	ug/l	91
69) o-Xylene	10.82	106	34592	5.43	ug/l	95
70) Styrene	10.90	104	50180	5.59	ug/l	95
71) Bromoform	10.88	173	9745	4.81	ug/l #	99
73) Isopropylbenzene	11.23	105	105115	5.62	ug/l	98
74) N-amyl acetate	11.46	43	20600	5.16	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	16856	5.08	ug/l	84
76) 1,2,3-Trichloropropane	11.89	75	13942	5.87	ug/l	92
77) Bromobenzene	11.59	156	22872	5.67	ug/l	95
78) n-propylbenzene	11.68	91	131375	5.95	ug/l	96
79) 2-Chlorotoluene	11.81	91	69303	5.49	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	85195	5.66	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.96	75	6869m	4.49	ug/l	
82) 4-Chlorotoluene	11.99	91	70681	5.57	ug/l	97
83) tert-Butylbenzene	12.21	119	85794	5.62	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	89396	5.84	ug/l	97
85) sec-Butylbenzene	12.38	105	121430	5.74	ug/l	94
86) p-Isopropyltoluene	12.54	119	93058	5.56	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	42646	5.66	ug/l	99
88) 1,4-Dichlorobenzene	12.65	146	41377	5.56	ug/l	96
89) n-Butylbenzene	12.91	91	101867	5.76	ug/l	91
90) Hexachloroethane	12.99	117	22857	5.35	ug/l	91
91) 1,2-Dichlorobenzene	13.02	146	42107	5.86	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.71	75	2992	4.81	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	30504	5.84	ug/l	89
94) Hexachlorobutadiene	14.25	225	19254	5.45	ug/l	94
95) Naphthalene	14.52	128	47058	5.14	ug/l	95
96) 1,2,3-Trichlorobenzene	14.67	180	24702	5.12	ug/l	97

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

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