

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF091918\
 Data File : VF060281.D
 Acq On : 19 Sep 2018 14:42
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

apatel
 9/20/2018 11:41:24 AM

Quant Time: Sep 20 02:39:49 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	273624	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	448660	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	394556	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	208412	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	226168	61.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.76%	
35) Dibromofluoromethane	4.29	113	251743	62.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.88%	
50) Toluene-d8	7.71	98	641567	61.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.20%	
62) 4-Bromofluorobenzene	11.50	95	273098	60.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	279880	57.61	ug/l	100
3) Chloromethane	1.12	50	217008	58.87	ug/l	95
4) Vinyl Chloride	1.17	62	234395	61.68	ug/l	98
5) Bromomethane	1.35	94	154275	60.52	ug/l	96
6) Chloroethane	1.43	64	110521	61.07	ug/l	99
7) Trichlorofluoromethane	1.54	101	460373	65.03	ug/l	99
8) Diethyl Ether	1.69	74	71942	61.08	ug/l	70
9) 1,1,2-Trichlorotrifluoroet	1.89	101	233735	62.08	ug/l	98
10) Methyl Iodide	1.97	142	382939	63.08	ug/l	91
11) Tert butyl alcohol	2.67	59	67008	285.30	ug/l	94
12) 1,1-Dichloroethene	1.85	96	199929	64.21	ug/l	99
13) Acrolein	2.08	56	23673	206.20	ug/l	96
14) Allyl chloride	2.18	41	328918	60.53	ug/l	98
15) Acrylonitrile	3.06	53	167455	321.80	ug/l	98
16) Acetone	2.33	43	332595	320.54	ug/l	98
17) Carbon Disulfide	1.88	76	551372	58.67	ug/l	99
18) Methyl Acetate	2.44	43	101319	58.61	ug/l	99
19) Methyl tert-butyl Ether	2.53	73	481170	61.99	ug/l	97
20) Methylene Chloride	2.27	84	191814m	52.00	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	197325	61.36	ug/l	98
22) Diisopropyl ether	2.92	45	667352	65.09	ug/l	99
23) Vinyl Acetate	3.32	43	1273225	316.21	ug/l	98
24) 1,1-Dichloroethane	3.00	63	423775	63.74	ug/l	98
25) 2-Butanone	4.49	43	439965	315.02	ug/l	96
26) 2,2-Dichloropropane	3.75	77	237528	62.61	ug/l	98
27) cis-1,2-Dichloroethene	3.63	96	259494	61.42	ug/l	92
28) Bromochloromethane	3.88	49	158638	61.28	ug/l	97
29) Tetrahydrofuran	4.24	42	156554	306.10	ug/l	99
30) Chloroform	4.03	83	514783	64.17	ug/l	95
31) Cyclohexane	3.85	56	345701	61.56	ug/l	98
32) 1,1,1-Trichloroethane	4.27	97	402592	63.60	ug/l	97
36) 1,1-Dichloropropene	4.45	75	357461	63.87	ug/l	96
37) Ethyl Acetate	4.28	43	148239	62.60	ug/l	90
38) Carbon Tetrachloride	4.16	117	366742m	57.43	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	390208	64.33	ug/l	97
40) Benzene	4.80	78	820033	64.62	ug/l	99
41) Methacrylonitrile	4.91	41	78938	61.43	ug/l #	94
42) 1,2-Dichloroethane	5.10	62	311328	66.65	ug/l	100
43) Isopropyl Acetate	7.11	43	186111	65.29	ug/l #	98
44) Trichloroethene	5.67	130	251020	66.47	ug/l	96
45) 1,2-Dichloropropane	6.40	63	217401	66.20	ug/l	96
46) Dibromomethane	6.25	93	156083	66.49	ug/l	96
47) Bromodichloromethane	6.54	83	376220	66.69	ug/l	98
48) Methyl methacrylate	6.87	41	125374	62.65	ug/l	95
49) 1,4-Dioxane	6.86	88	20582	1151.24	ug/l	98
51) 4-Methyl-2-Pentanone	8.40	43	784394	357.00	ug/l	99
52) Toluene	7.78	92	531050	66.15	ug/l	97
53) t-1,3-Dichloropropene	8.42	75	287734	63.23	ug/l	99
54) cis-1,3-Dichloropropene	7.45	75	378847	66.09	ug/l	100
55) 1,1,2-Trichloroethane	8.63	97	163624	67.15	ug/l	95
56) Ethyl methacrylate	8.75	69	193442	65.74	ug/l	96
57) 1,3-Dichloropropane	9.00	76	271037	67.18	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.78	63	82767	318.16	ug/l	100
59) 2-Hexanone	9.62	43	555829	355.30	ug/l	100
60) Dibromochloromethane	8.86	129	247856	68.25	ug/l	97
61) 1,2-Dibromoethane	9.13	107	179198	66.05	ug/l	91
64) Tetrachloroethene	8.30	164	231451	64.71	ug/l	96
65) Chlorobenzene	9.93	112	585052	65.42	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	252173	67.95	ug/l	95
67) Ethyl Benzene	10.03	91	1056141	63.88	ug/l	99
68) m/p-Xylenes	10.27	106	746195	130.63	ug/l	88
69) o-Xylene	10.82	106	423244	66.06	ug/l	93
70) Styrene	10.90	104	587895	65.06	ug/l	98
71) Bromoform	10.88	173	135641	66.55	ug/l	93
73) Isopropylbenzene	11.23	105	1184698	63.32	ug/l	98
74) N-amyl acetate	11.46	43	262347	65.76	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	213261	64.32	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	145398	61.24	ug/l	95
77) Bromobenzene	11.59	156	254833	63.20	ug/l	99
78) n-propylbenzene	11.69	91	1361208	61.62	ug/l	94
79) 2-Chlorotoluene	11.81	91	806939	63.94	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	956920	63.54	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.96	75	81234m	53.10	ug/l	
82) 4-Chlorotoluene	11.99	91	826090	65.12	ug/l	99
83) tert-Butylbenzene	12.21	119	962704	63.06	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	985880	64.47	ug/l	98
85) sec-Butylbenzene	12.39	105	1329656	62.90	ug/l	99
86) p-Isopropyltoluene	12.54	119	1098292	65.66	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	483789	64.21	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	472069	63.39	ug/l	95
89) n-Butylbenzene	12.92	91	1110064	62.74	ug/l	95
90) Hexachloroethane	12.99	117	284588	66.61	ug/l	100
91) 1,2-Dichlorobenzene	13.02	146	461686	64.23	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	39388	63.27	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	339103	64.91	ug/l	96
94) Hexachlorobutadiene	14.25	225	232659	65.88	ug/l	100
95) Naphthalene	14.52	128	632572	69.06	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	325723	67.47	ug/l	98

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

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