

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072318\
 Data File : VF059615.D
 Acq On : 23 Jul 2018 15:14
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 86 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 7/24/2018 1:13:43 PM

Quant Time: Jul 23 15:36:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072318S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 23 15:11:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	240819	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	338098	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	337211	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	212087	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	365408	97.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.26%	
35) Dibromofluoromethane	4.29	113	299545	98.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.56%	
50) Toluene-d8	7.70	98	775375	104.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.34%	
62) 4-Bromofluorobenzene	11.50	95	402047	93.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	187.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	270315	88.65	ug/l	91
3) Chloromethane	1.09	50	129843	87.41	ug/l	92
4) Vinyl Chloride	1.15	62	153401	95.72	ug/l #	84
5) Bromomethane	1.33	94	114764	86.33	ug/l	92
6) Chloroethane	1.42	64	87308	93.44	ug/l	97
7) Trichlorofluoromethane	1.48	101	388159m	92.49	ug/l	
8) Diethyl Ether	1.70	74	54813	82.98	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.89	101	176706	84.21	ug/l	90
10) Methyl Iodide	1.95	142	329943	94.64	ug/l	95
11) Tert butyl alcohol	2.67	59	64516	397.67	ug/l	95
12) 1,1-Dichloroethene	1.84	96	152983	87.18	ug/l	95
13) Acrolein	2.08	56	39959	563.48	ug/l	99
14) Allyl chloride	2.18	41	280696	97.85	ug/l #	87
15) Acrylonitrile	3.07	53	105818	398.98	ug/l	97
16) Acetone	2.33	43	258600	398.54	ug/l	100
17) Carbon Disulfide	1.83	76	396058m	87.35	ug/l	
18) Methyl Acetate	2.45	43	81572	66.57	ug/l	94
19) Methyl tert-butyl Ether	2.52	73	442304	85.37	ug/l	97
20) Methylene Chloride	2.27	84	141362m	71.47	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	155345	87.68	ug/l	89
22) Diisopropyl ether	2.92	45	526963	88.68	ug/l	98
23) Vinyl Acetate	3.32	43	1302816	422.41	ug/l	98
24) 1,1-Dichloroethane	2.99	63	358623	88.68	ug/l	100
25) 2-Butanone	4.51	43	288414	396.55	ug/l	97
26) 2,2-Dichloropropane	3.76	77	286267	90.86	ug/l	100
27) cis-1,2-Dichloroethene	3.62	96	188431	94.71	ug/l	98
28) Bromochloromethane	3.89	49	129091	82.27	ug/l	97
29) Tetrahydrofuran	4.24	42	113736	369.55	ug/l	97
30) Chloroform	4.02	83	509969	90.80	ug/l	98
31) Cyclohexane	3.86	56	201158	89.85	ug/l	90
32) 1,1,1-Trichloroethane	4.27	97	437630	93.27	ug/l	95
36) 1,1-Dichloropropene	4.45	75	317510	92.57	ug/l	94
37) Ethyl Acetate	4.28	43	120260	78.55	ug/l #	80
38) Carbon Tetrachloride	4.16	117	460237	91.74	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	253647	93.12	ug/l	97
40) Benzene	4.80	78	570875	89.91	ug/l	97
41) Methacrylonitrile	4.92	41	58668	74.22	ug/l #	68
42) 1,2-Dichloroethane	5.11	62	377156	87.05	ug/l	98
43) Isopropyl Acetate	7.11	43	164612	83.00	ug/l #	100
44) Trichloroethene	5.67	130	211837	87.24	ug/l	96
45) 1,2-Dichloropropane	6.40	63	157452	90.70	ug/l	96
46) Dibromomethane	6.25	93	128835	86.88	ug/l	95
47) Bromodichloromethane	6.54	83	382597	88.29	ug/l #	95
48) Methyl methacrylate	6.87	41	125955	85.21	ug/l	94
49) 1,4-Dioxane	6.86	88	15968	1906.24	ug/l	92
51) 4-Methyl-2-Pentanone	8.40	43	568769	410.43	ug/l	98
52) Toluene	7.78	92	408992	84.99	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	334767	91.14	ug/l	100
54) cis-1,3-Dichloropropene	7.45	75	341789	92.92	ug/l	97
55) 1,1,2-Trichloroethane	8.64	97	150695	88.42	ug/l	93
56) Ethyl methacrylate	8.75	69	174924	89.14	ug/l	92
57) 1,3-Dichloropropane	8.99	76	252964	84.91	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.77	63	88019	423.04	ug/l	100
59) 2-Hexanone	9.62	43	451736	402.91	ug/l	98
60) Dibromochloromethane	8.86	129	272667	91.45	ug/l	98
61) 1,2-Dibromoethane	9.13	107	180731	90.22	ug/l	92
64) Tetrachloroethene	8.30	164	222326	87.18	ug/l	95
65) Chlorobenzene	9.94	112	569305	89.71	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	253190	88.02	ug/l	96
67) Ethyl Benzene	10.04	91	1008482	89.08	ug/l	99
68) m/p-Xylenes	10.26	106	703497	181.82	ug/l	92
69) o-Xylene	10.82	106	376368	88.49	ug/l	92
70) Styrene	10.89	104	568687	89.48	ug/l	96
71) Bromoform	10.88	173	152534	80.65	ug/l	96
73) Isopropylbenzene	11.22	105	1194865	87.96	ug/l	98
74) N-amyl acetate	11.46	43	296182	87.49	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	188412	75.70	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	181415	85.64	ug/l	85
77) Bromobenzene	11.59	156	304590	84.67	ug/l	92
78) n-propylbenzene	11.68	91	1377005	85.15	ug/l	98
79) 2-Chlorotoluene	11.81	91	798919	82.12	ug/l	89
80) 1,3,5-Trimethylbenzene	11.91	105	1015095	84.61	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.96	75	76048m	72.07	ug/l	
82) 4-Chlorotoluene	11.99	91	920351	84.91	ug/l	95
83) tert-Butylbenzene	12.21	119	981161	83.17	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	1037808	84.85	ug/l	94
85) sec-Butylbenzene	12.38	105	1307705	86.77	ug/l	99
86) p-Isopropyltoluene	12.54	119	1170717	89.16	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	567463	84.73	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	542739	85.10	ug/l	97
89) n-Butylbenzene	12.91	91	1108287	88.56	ug/l	96
90) Hexachloroethane	12.99	117	286732	88.99	ug/l	94
91) 1,2-Dichlorobenzene	13.01	146	531414	84.77	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	49513	81.89	ug/l	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	389384	86.62	µg/l	98
94) Hexachlorobutadiene	14.26	225	281895	96.49	µg/l	95
95) Naphthalene	14.52	128	684796	87.47	µg/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	381374	92.80	µg/l	97

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

