

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081718\
 Data File : VF059982.D
 Acq On : 17 Aug 2018 19:27
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 8/20/2018 11:48:36 AM

Quant Time: Aug 18 00:05:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 17 23:38:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	118097	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	174983	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	170125	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.64	152	125732	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	242023	105.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	210.48%	
35) Dibromofluoromethane	4.30	113	179872	101.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.02%	
50) Toluene-d8	7.71	98	418506	106.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	212.00%	
62) 4-Bromofluorobenzene	11.52	95	248969	102.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	190768	95.38	ug/l	97
3) Chloromethane	1.08	50	92676	89.98	ug/l	91
4) Vinyl Chloride	1.12	62	122204	103.38	ug/l	97
5) Bromomethane	1.32	94	109884	94.99	ug/l	99
6) Chloroethane	1.40	64	60410	97.80	ug/l	95
7) Trichlorofluoromethane	1.48	101	312554	97.80	ug/l	98
8) Diethyl Ether	1.71	74	54608	106.94	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.86	101	152261	94.93	ug/l	100
10) Methyl Iodide	1.93	142	202716	99.18	ug/l	97
11) Tert butyl alcohol	2.70	59	72192	509.55	ug/l #	94
12) 1,1-Dichloroethene	1.83	96	110637	99.61	ug/l	87
13) Acrolein	2.10	56	53506	714.88	ug/l	93
14) Allyl chloride	2.19	41	173594	92.08	ug/l	92
15) Acrylonitrile	3.08	53	96770	411.12	ug/l	97
16) Acetone	2.35	43	318521	430.57	ug/l	100
17) Carbon Disulfide	1.84	76	325958	92.16	ug/l	97
18) Methyl Acetate	2.46	43	118474	80.64	ug/l	96
19) Methyl tert-butyl Ether	2.54	73	376799	100.44	ug/l	99
20) Methylene Chloride	2.28	84	125573	80.51	ug/l	98
21) trans-1,2-Dichloroethene	2.41	96	116904	98.72	ug/l	98
22) Diisopropyl ether	2.93	45	413224	101.52	ug/l #	96
23) Vinyl Acetate	3.34	43	902741	541.39	ug/l	98
24) 1,1-Dichloroethane	3.00	63	245458	91.63	ug/l	99
25) 2-Butanone	4.51	43	271537	469.21	ug/l	96
26) 2,2-Dichloropropane	3.77	77	253258	108.33	ug/l	100
27) cis-1,2-Dichloroethene	3.64	96	113694	105.27	ug/l	95
28) Bromochloromethane	3.90	49	76591	100.23	ug/l	94
29) Tetrahydrofuran	4.26	42	99250	480.20	ug/l	99
30) Chloroform	4.05	83	311705	102.08	ug/l	98
31) Cyclohexane	3.87	56	118185	98.18	ug/l #	95
32) 1,1,1-Trichloroethane	4.28	97	299114	100.55	ug/l	98
36) 1,1-Dichloropropene	4.47	75	191097	96.78	ug/l	98
37) Ethyl Acetate	4.29	43	107584	92.40	ug/l	99
38) Carbon Tetrachloride	4.18	117	278060	98.01	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	142883	95.54	ug/l	99
40) Benzene	4.82	78	338276	100.69	ug/l	96
41) Methacrylonitrile	4.93	41	53899	97.69	ug/l #	94
42) 1,2-Dichloroethane	5.12	62	272401	93.62	ug/l	98
43) Isopropyl Acetate	7.11	43	137852	108.62	ug/l #	89
44) Trichloroethene	5.68	130	120145	91.60	ug/l	90
45) 1,2-Dichloropropane	6.41	63	97706	101.97	ug/l	97
46) Dibromomethane	6.27	93	99917	102.81	ug/l	97
47) Bromodichloromethane	6.56	83	264048	102.88	ug/l	98
48) Methyl methacrylate	6.88	41	100326	106.05	ug/l	99
49) 1,4-Dioxane	6.87	88	16902	2231.94	ug/l #	72
51) 4-Methyl-2-Pentanone	8.41	43	577794	487.54	ug/l	99
52) Toluene	7.79	92	234997	92.87	ug/l	96
53) t-1,3-Dichloropropene	8.43	75	227318	104.31	ug/l	100
54) cis-1,3-Dichloropropene	7.47	75	212093	100.97	ug/l	92
55) 1,1,2-Trichloroethane	8.65	97	104052	100.30	ug/l	94
56) Ethyl methacrylate	8.77	69	130165	107.68	ug/l	98
57) 1,3-Dichloropropane	9.01	76	184537	100.14	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.78	63	55834	561.90	ug/l	100
59) 2-Hexanone	9.64	43	455502	462.59	ug/l	96
60) Dibromochloromethane	8.87	129	196510	104.64	ug/l	97
61) 1,2-Dibromoethane	9.14	107	126628	96.76	ug/l	94
64) Tetrachloroethene	8.32	164	133261	104.36	ug/l	90
65) Chlorobenzene	9.95	112	329684	99.32	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.08	131	160777	105.39	ug/l	95
67) Ethyl Benzene	10.05	91	629531	105.66	ug/l	99
68) m/p-Xylenes	10.28	106	423356	204.15	ug/l	91
69) o-Xylene	10.84	106	232333	108.94	ug/l	97
70) Styrene	10.91	104	361595	106.46	ug/l	100
71) Bromoform	10.90	173	128776	112.11	ug/l	94
73) Isopropylbenzene	11.23	105	737425	98.08	ug/l	99
74) N-amyl acetate	11.47	43	228796	102.89	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.80	83	141442	92.23	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	125005	91.18	ug/l	99
77) Bromobenzene	11.60	156	192621	90.80	ug/l	98
78) n-propylbenzene	11.70	91	842434	90.23	ug/l	98
79) 2-Chlorotoluene	11.83	91	516741	90.36	ug/l	93
80) 1,3,5-Trimethylbenzene	11.92	105	637463	93.66	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.96	75	53112m	75.14	ug/l	
82) 4-Chlorotoluene	11.99	91	585748	94.07	ug/l	97
83) tert-Butylbenzene	12.22	119	606716	90.18	ug/l	97
84) 1,2,4-Trimethylbenzene	12.30	105	695179	97.25	ug/l	98
85) sec-Butylbenzene	12.40	105	828093	94.07	ug/l	99
86) p-Isopropyltoluene	12.54	119	740998	95.22	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	357570	89.16	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	368807	93.92	ug/l	99
89) n-Butylbenzene	12.93	91	723237	96.15	ug/l	98
90) Hexachloroethane	13.00	117	173257	98.95	ug/l	98
91) 1,2-Dichlorobenzene	13.03	146	353718	91.66	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.72	75	43814	101.34	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	297309	94.96	µg/l	99
94) Hexachlorobutadiene	14.26	225	197686	95.62	µg/l	94
95) Naphthalene	14.53	128	523795	115.03	µg/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	300132	99.23	µg/l	99

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

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