

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072418\
 Data File : VF059639.D
 Acq On : 24 Jul 2018 18:26
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 87 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 7/25/2018 2:31:29 PM

Quant Time: Jul 25 01:52:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 00:58:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	229341	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	330278	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	308590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	193084	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	325126	91.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	183.88%	
35) Dibromofluoromethane	4.28	113	286229	94.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	189.44%	
50) Toluene-d8	7.70	98	725288	95.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	191.76%	
62) 4-Bromofluorobenzene	11.50	95	355466	82.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	164.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	244978	86.820	ug/l	99
3) Chloromethane	1.08	50	132425	99.399	ug/l	97
4) Vinyl Chloride	1.16	62	137781	94.075	ug/l	95
5) Bromomethane	1.33	94	106805	85.505	ug/l	95
6) Chloroethane	1.41	64	81253	90.856	ug/l	91
7) Trichlorofluoromethane	1.52	101	368078m	92.947	ug/l	
8) Diethyl Ether	1.70	74	53305	95.157	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.89	101	192016	94.381	ug/l	94
10) Methyl Iodide	1.96	142	309431m	92.352	ug/l	
11) Tert butyl alcohol	2.67	59	58118	409.520	ug/l #	91
12) 1,1-Dichloroethene	1.85	96	152602	96.053	ug/l	83
13) Acrolein	2.08	56	31554	452.920	ug/l	84
14) Allyl chloride	2.18	41	259787	90.372	ug/l	97
15) Acrylonitrile	3.06	53	106757	487.096	ug/l #	84
16) Acetone	2.33	43	216421	364.234	ug/l	99
17) Carbon Disulfide	1.84	76	371942	90.067	ug/l	99
18) Methyl Acetate	2.44	43	77316	76.698	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	414486	90.095	ug/l	99
20) Methylene Chloride	2.27	84	135274	75.261	ug/l	95
21) trans-1,2-Dichloroethene	2.40	96	152000	92.209	ug/l	97
22) Diisopropyl ether	2.91	45	509913	97.014	ug/l	97
23) Vinyl Acetate	3.32	43	1227108	468.478	ug/l	97
24) 1,1-Dichloroethane	2.99	63	352664	93.147	ug/l	99
25) 2-Butanone	4.50	43	278127	448.384	ug/l	94
26) 2,2-Dichloropropane	3.75	77	269767	85.585	ug/l	97
27) cis-1,2-Dichloroethene	3.62	96	189792	100.332	ug/l	94
28) Bromochloromethane	3.87	49	117953	84.771	ug/l	91
29) Tetrahydrofuran	4.24	42	107468	425.249	ug/l	95
30) Chloroform	4.03	83	482741	92.368	ug/l	97
31) Cyclohexane	3.85	56	199300	93.901	ug/l	94
32) 1,1,1-Trichloroethane	4.26	97	393970	84.272	ug/l	97
36) 1,1-Dichloropropene	4.44	75	314173	94.592	ug/l	99
37) Ethyl Acetate	4.27	43	118883	90.959	ug/l #	69
38) Carbon Tetrachloride	4.15	117	407967	81.149	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	253497	94.625	ug/l	95
40) Benzene	4.79	78	558770	92.026	ug/l	98
41) Methacrylonitrile	4.90	41	59424	92.048	ug/l	92
42) 1,2-Dichloroethane	5.10	62	339569	84.529	ug/l	100
43) Isopropyl Acetate	7.10	43	149782	92.027	ug/l #	99
44) Trichloroethene	5.66	130	208345	89.928	ug/l	92
45) 1,2-Dichloropropane	6.39	63	152926	94.193	ug/l	99
46) Dibromomethane	6.24	93	124903	94.636	ug/l	99
47) Bromodichloromethane	6.53	83	374050	92.550	ug/l	92
48) Methyl methacrylate	6.86	41	110121	88.863	ug/l	93
49) 1,4-Dioxane	6.84	88	15861	1820.775	ug/l #	91
51) 4-Methyl-2-Pentanone	8.39	43	530974	436.088	ug/l	98
52) Toluene	7.77	92	391299	85.209	ug/l	96
53) t-1,3-Dichloropropene	8.41	75	289654	85.626	ug/l	97
54) cis-1,3-Dichloropropene	7.45	75	311608	92.470	ug/l	98
55) 1,1,2-Trichloroethane	8.63	97	136639	89.696	ug/l	99
56) Ethyl methacrylate	8.75	69	150128	88.899	ug/l	93
57) 1,3-Dichloropropane	8.99	76	232454	87.323	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.77	63	83532	416.725	ug/l	100
59) 2-Hexanone	9.61	43	407286	421.048	ug/l	93
60) Dibromochloromethane	8.86	129	248369	90.797	ug/l	97
61) 1,2-Dibromoethane	9.12	107	159204	90.802	ug/l	100
64) Tetrachloroethene	8.29	164	220340	95.363	ug/l	96
65) Chlorobenzene	9.93	112	531489	94.468	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.06	131	238550	93.063	ug/l	98
67) Ethyl Benzene	10.03	91	927299	91.006	ug/l	99
68) m/p-Xylenes	10.25	106	661935	187.244	ug/l	99
69) o-Xylene	10.82	106	370931	97.300	ug/l	94
70) Styrene	10.90	104	506908	89.258	ug/l	98
71) Bromoform	10.88	173	142426	90.513	ug/l	91
73) Isopropylbenzene	11.22	105	1094303	89.398	ug/l	100
74) N-amyl acetate	11.46	43	271206	100.868	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	176309	87.132	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	147954	83.487	ug/l	97
77) Bromobenzene	11.59	156	270921	86.773	ug/l	99
78) n-propylbenzene	11.68	91	1273422	87.206	ug/l	95
79) 2-Chlorotoluene	11.80	91	775526	88.319	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	984169	89.589	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.95	75	89557	122.074	ug/l	97
82) 4-Chlorotoluene	11.98	91	851274	87.477	ug/l	97
83) tert-Butylbenzene	12.21	119	977719	90.114	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	973325	87.475	ug/l	97
85) sec-Butylbenzene	12.38	105	1257591	89.278	ug/l	99
86) p-Isopropyltoluene	12.53	119	1134380	91.997	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	511305	84.321	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	513375	90.817	ug/l	96
89) n-Butylbenzene	12.92	91	1068475	90.201	ug/l	93
90) Hexachloroethane	12.99	117	275282	89.427	ug/l #	1
91) 1,2-Dichlorobenzene	13.01	146	499404	87.536	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	48421	98.361	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	393630	92.332	ug/l	97
94) Hexachlorobutadiene	14.25	225	277313	93.192	ug/l	94
95) Naphthalene	14.51	128	715621	104.131	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	368963	95.457	ug/l	98

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

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