

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081618\
 Data File : VF059973.D
 Acq On : 16 Aug 2018 21:31
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 8/17/2018 11:24:28 AM

Quant Time: Aug 17 05:02:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 17 04:39:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	121906	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	177656	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	191856	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	127794	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	261888	117.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	235.82%	
35) Dibromofluoromethane	4.30	113	177952	98.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.14%	
50) Toluene-d8	7.71	98	407262	103.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.34%	
62) 4-Bromofluorobenzene	11.52	95	241538	108.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	217.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	194665	105.74	ug/l	100
3) Chloromethane	1.08	50	86495	110.16	ug/l	99
4) Vinyl Chloride	1.12	62	117218	126.12	ug/l	95
5) Bromomethane	1.31	94	105291	125.21	ug/l	98
6) Chloroethane	1.38	64	60180	102.35	ug/l	99
7) Trichlorofluoromethane	1.47	101	175800	66.58	ug/l	100
8) Diethyl Ether	1.71	74	58850	148.68	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.86	101	153225	112.09	ug/l	93
10) Methyl Iodide	1.93	142	216347	106.00	ug/l	93
11) Tert butyl alcohol	2.70	59	101743	992.07	ug/l #	94
12) 1,1-Dichloroethene	1.83	96	114491	116.18	ug/l	92
13) Acrolein	2.09	56	53307	1001.13	ug/l	94
14) Allyl chloride	2.19	41	180023	122.48	ug/l	97
15) Acrylonitrile	3.08	53	163406	1028.71	ug/l	97
16) Acetone	2.34	43	433630	849.13	ug/l	99
17) Carbon Disulfide	1.84	76	340322	127.91	ug/l	99
18) Methyl Acetate	2.46	43	174754	219.83	ug/l	100
19) Methyl tert-butyl Ether	2.54	73	448816	148.19	ug/l	99
20) Methylene Chloride	2.28	84	123014	107.24	ug/l	99
21) trans-1,2-Dichloroethene	2.41	96	115967	118.63	ug/l	98
22) Diisopropyl ether	2.93	45	450437	133.26	ug/l	97
23) Vinyl Acetate	3.33	43	1072003	657.76	ug/l	100
24) 1,1-Dichloroethane	3.00	63	275851	116.85	ug/l	100
25) 2-Butanone	4.52	43	364064	758.88	ug/l	98
26) 2,2-Dichloropropane	3.76	77	259615	157.85	ug/l	99
27) cis-1,2-Dichloroethene	3.63	96	111231	106.08	ug/l	97
28) Bromochloromethane	3.90	49	82737	99.91	ug/l	94
29) Tetrahydrofuran	4.26	42	133292	791.17	ug/l	96
30) Chloroform	4.03	83	321101	103.17	ug/l	97
31) Cyclohexane	3.86	56	118455	106.41	ug/l	91
32) 1,1,1-Trichloroethane	4.27	97	304558	115.70	ug/l	99
36) 1,1-Dichloropropene	4.46	75	182778	92.87	ug/l	98
37) Ethyl Acetate	4.29	43	147462	153.52	ug/l #	98
38) Carbon Tetrachloride	4.16	117	269150	84.24	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.62	83	145345	101.80	ug/l #	89
40) Benzene	4.81	78	335144	101.32	ug/l	97
41) Methacrylonitrile	4.92	41	69524	152.05	ug/l	95
42) 1,2-Dichloroethane	5.12	62	306212	112.53	ug/l	100
43) Isopropyl Acetate	7.11	43	174417	166.25	ug/l #	96
44) Trichloroethene	5.67	130	119008	92.80	ug/l	97
45) 1,2-Dichloropropane	6.40	63	95040	105.91	ug/l	98
46) Dibromomethane	6.25	93	113720	125.07	ug/l	93
47) Bromodichloromethane	6.55	83	266434	104.40	ug/l	96
48) Methyl methacrylate	6.87	41	128363	166.58	ug/l	92
49) 1,4-Dioxane	6.86	88	24855	3996.15	ug/l	93
51) 4-Methyl-2-Pentanone	8.41	43	746491	748.94	ug/l	100
52) Toluene	7.78	92	241957	97.69	ug/l	98
53) t-1,3-Dichloropropene	8.43	75	238158	112.39	ug/l	94
54) cis-1,3-Dichloropropene	7.46	75	220459	109.94	ug/l	96
55) 1,1,2-Trichloroethane	8.64	97	120553	134.53	ug/l	90
56) Ethyl methacrylate	8.77	69	153617	153.30	ug/l	98
57) 1,3-Dichloropropane	9.00	76	210116	128.00	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.78	63	59560	487.76	ug/l	100
59) 2-Hexanone	9.63	43	613149	818.41	ug/l	97
60) Dibromochloromethane	8.86	129	215975	124.15	ug/l	98
61) 1,2-Dibromoethane	9.14	107	155997	137.57	ug/l	99
64) Tetrachloroethene	8.30	164	137181	92.07	ug/l	99
65) Chlorobenzene	9.95	112	345955	93.45	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.08	131	168233	94.21	ug/l	98
67) Ethyl Benzene	10.05	91	616568	94.03	ug/l	100
68) m/p-Xylenes	10.27	106	425326	192.49	ug/l	95
69) o-Xylene	10.84	106	239948	100.17	ug/l	93
70) Styrene	10.91	104	358637	99.79	ug/l	98
71) Bromoform	10.90	173	149622	126.93	ug/l #	95
73) Isopropylbenzene	11.23	105	738182	93.43	ug/l	100
74) N-amyl acetate	11.47	43	284280	148.44	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	176449	123.34	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	163782	132.03	ug/l	97
77) Bromobenzene	11.60	156	207500	98.33	ug/l	94
78) n-propylbenzene	11.69	91	843370	90.55	ug/l	97
79) 2-Chlorotoluene	11.82	91	545605	93.21	ug/l	95
80) 1,3,5-Trimethylbenzene	11.92	105	642691	87.27	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.96	75	71170m	137.16	ug/l	
82) 4-Chlorotoluene	11.99	91	598607	92.40	ug/l	93
83) tert-Butylbenzene	12.22	119	636089	88.24	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	689886	93.19	ug/l	98
85) sec-Butylbenzene	12.39	105	812347	88.57	ug/l	95
86) p-Isopropyltoluene	12.54	119	724839	89.39	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	361872	90.90	ug/l	96
88) 1,4-Dichlorobenzene	12.65	146	373683	95.61	ug/l	98
89) n-Butylbenzene	12.93	91	709545	90.42	ug/l	96
90) Hexachloroethane	12.99	117	168548	84.74	ug/l	96
91) 1,2-Dichlorobenzene	13.02	146	370487	94.92	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	58600	145.26	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	300208	96.85	ug/l	96
94) Hexachlorobutadiene	14.26	225	181369	83.35	ug/l	98
95) Naphthalene	14.52	128	619180	119.06	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	306783	102.91	ug/l	97

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

