

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081618\
 Data File : VF059970.D
 Acq On : 16 Aug 2018 20:09
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00u/5mL/MSVOA F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
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apatel
 8/17/2018 11:24:18 AM

Quant Time: Aug 17 04:53:55 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	122386	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	172005	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.92	117	182305	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	130748	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	56823	25.48	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	50.96%	
35) Dibromofluoromethane	4.29	113	36881	21.10	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	42.20%	
50) Toluene-d8	7.72	98	77642	20.41	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	40.82%	
62) 4-Bromofluorobenzene	11.51	95	50319	23.36	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	46.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.95	85	41926	22.68	ug/l	99
3) Chloromethane	1.07	50	19811	25.13	ug/l	98
4) Vinyl Chloride	1.12	62	21567	23.11	ug/l	94
5) Bromomethane	1.32	94	21917	25.96	ug/l	91
6) Chloroethane	1.39	64	12487	21.15	ug/l	94
7) Trichlorofluoromethane	1.47	101	30538	11.52	ug/l	98
8) Diethyl Ether	1.71	74	10345	26.03	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.86	101	33210	24.20	ug/l	95
10) Methyl Iodide	1.93	142	44914	21.92	ug/l	91
11) Tert butyl alcohol	2.71	59	20751	201.54	ug/l	98
12) 1,1-Dichloroethene	1.82	96	23305	23.56	ug/l	98
13) Acrolein	2.10	56	6687	125.09	ug/l	97
14) Allyl chloride	2.19	41	41998	28.46	ug/l	93
15) Acrylonitrile	3.08	53	32055	201.01	ug/l	98
16) Acetone	2.34	43	100543	196.11	ug/l	97
17) Carbon Disulfide	1.83	76	77786	29.12	ug/l	99
18) Methyl Acetate	2.46	43	48349	60.58	ug/l	100
19) Methyl tert-butyl Ether	2.54	73	87016	28.62	ug/l	93
20) Methylene Chloride	2.27	84	30124	26.16	ug/l	92
21) trans-1,2-Dichloroethene	2.41	96	25376	25.86	ug/l	88
22) Diisopropyl ether	2.93	45	83854	24.71	ug/l	96
23) Vinyl Acetate	3.33	43	187936	114.86	ug/l	98
24) 1,1-Dichloroethane	3.00	63	57072	24.08	ug/l	99
25) 2-Butanone	4.51	43	75539	156.84	ug/l	100
26) 2,2-Dichloropropane	3.75	77	52970	32.08	ug/l	95
27) cis-1,2-Dichloroethene	3.63	96	22989	21.84	ug/l	91
28) Bromochloromethane	3.89	49	17480	21.03	ug/l #	88
29) Tetrahydrofuran	4.27	42	30367	179.54	ug/l	94
30) Chloroform	4.04	83	68693	21.98	ug/l	93
31) Cyclohexane	3.85	56	25149	22.50	ug/l #	93
32) 1,1,1-Trichloroethane	4.28	97	65572	24.81	ug/l	97
36) 1,1-Dichloropropene	4.46	75	39951	20.97	ug/l	96
37) Ethyl Acetate	4.29	43	31574	33.95	ug/l #	81
38) Carbon Tetrachloride	4.17	117	50224	16.24	ug/l	99

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39) Methylcyclohexane	5.63	83	27729	20.06	ug/l	99
40) Benzene	4.81	78	67400	21.05	ug/l	91
41) Methacrylonitrile	4.93	41	14584	32.94	ug/l	93
42) 1,2-Dichloroethane	5.11	62	67574	25.65	ug/l	100
43) Isopropyl Acetate	7.12	43	30565	30.09	ug/l #	90
44) Trichloroethene	5.67	130	26416	21.28	ug/l	99
45) 1,2-Dichloropropane	6.40	63	19320	22.24	ug/l #	86
46) Dibromomethane	6.26	93	22334	25.37	ug/l	92
47) Bromodichloromethane	6.55	83	53347	21.59	ug/l	99
48) Methyl methacrylate	6.88	41	23268	31.19	ug/l	96
49) 1,4-Dioxane	6.89	88	3903	648.13	ug/l #	82
51) 4-Methyl-2-Pentanone	8.41	43	154199	159.79	ug/l	99
52) Toluene	7.78	92	51147	21.33	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	48368	23.58	ug/l	97
54) cis-1,3-Dichloropropene	7.46	75	44479	22.91	ug/l	96
55) 1,1,2-Trichloroethane	8.64	97	23343	26.91	ug/l	85
56) Ethyl methacrylate	8.76	69	26934	27.76	ug/l	85
57) 1,3-Dichloropropane	9.00	76	40132	25.25	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.77	63	13027	110.19	ug/l	100
59) 2-Hexanone	9.64	43	126345	174.18	ug/l	95
60) Dibromochloromethane	8.87	129	38445	22.83	ug/l	99
61) 1,2-Dibromoethane	9.13	107	30357	27.65	ug/l	92
64) Tetrachloroethene	8.31	164	31648	22.35	ug/l	92
65) Chlorobenzene	9.94	112	71309	20.27	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	32534	19.17	ug/l	98
67) Ethyl Benzene	10.04	91	128228	20.58	ug/l	98
68) m/p-Xylenes	10.27	106	88376	42.09	ug/l	95
69) o-Xylene	10.83	106	45859	20.15	ug/l	99
70) Styrene	10.91	104	75315	22.05	ug/l	99
71) Bromoform	10.89	173	29021	25.91	ug/l	96
73) Isopropylbenzene	11.23	105	149142	18.45	ug/l	100
74) N-amyl acetate	11.47	43	50806	25.93	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.79	83	35767	24.44	ug/l	95
76) 1,2,3-Trichloropropane	11.88	75	35649	28.09	ug/l	97
77) Bromobenzene	11.60	156	43835	20.30	ug/l	96
78) n-propylbenzene	11.69	91	187493	19.68	ug/l	99
79) 2-Chlorotoluene	11.82	91	113426	18.94	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	138787	18.42	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.95	75	12292m	23.15	ug/l	
82) 4-Chlorotoluene	11.99	91	133181	20.09	ug/l	94
83) tert-Butylbenzene	12.22	119	141549	19.19	ug/l	95
84) 1,2,4-Trimethylbenzene	12.29	105	150520	19.87	ug/l	97
85) sec-Butylbenzene	12.39	105	176953	18.86	ug/l	96
86) p-Isopropyltoluene	12.55	119	156954	18.92	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	83632	20.53	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	84156	21.05	ug/l	96
89) n-Butylbenzene	12.92	91	153184	19.08	ug/l	97
90) Hexachloroethane	13.00	117	34392	16.90	ug/l	95
91) 1,2-Dichlorobenzene	13.02	146	83970	21.03	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.72	75	10872	26.34	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	83696	26.39	ug/l	96
94) Hexachlorobutadiene	14.26	225	42293	19.00	ug/l	99
95) Naphthalene	14.53	128	123558	23.22	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	65361	21.43	ug/l	90

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

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