

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081618\
 Data File : VF059975.D
 Acq On : 16 Aug 2018 22:26
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00u/5mL/MSVOA F/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICSVF081618

Manual Integrations
 APPROVED

apatel
 8/17/2018 11:24:37 AM

Quant Time: Aug 17 06:15:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 17 05:35:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	133379	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	195840	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	201478	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	125005	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	142730	46.97	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.94%	
35) Dibromofluoromethane	4.29	113	101079	47.36	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.72%	
50) Toluene-d8	7.71	98	238766	53.05	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.10%	
62) 4-Bromofluorobenzene	11.52	95	137901	47.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.95	85	113938	49.06	ug/l	99
3) Chloromethane	1.07	50	54656	52.88	ug/l	99
4) Vinyl Chloride	1.12	62	70202	55.82	ug/l	95
5) Bromomethane	1.31	94	61921	52.39	ug/l	100
6) Chloroethane	1.38	64	34864	47.40	ug/l	95
7) Trichlorofluoromethane	1.47	101	176292	60.41	ug/l	98
8) Diethyl Ether	1.70	74	35443	57.40	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.86	101	92750	51.25	ug/l	97
10) Methyl Iodide	1.93	142	123401	54.31	ug/l	86
11) Tert butyl alcohol	2.69	59	59421	258.23	ug/l	95
12) 1,1-Dichloroethene	1.82	96	68161	53.45	ug/l	96
13) Acrolein	2.08	56	30932	277.76	ug/l	93
14) Allyl chloride	2.18	41	112083	52.13	ug/l	91
15) Acrylonitrile	3.07	53	102353	288.33	ug/l	96
16) Acetone	2.34	43	256727	242.02	ug/l	98
17) Carbon Disulfide	1.84	76	208006	51.63	ug/l	99
18) Methyl Acetate	2.45	43	105013	53.45	ug/l	97
19) Methyl tert-butyl Ether	2.54	73	250094	52.40	ug/l	99
20) Methylene Chloride	2.27	84	79751	56.67	ug/l	95
21) trans-1,2-Dichloroethene	2.41	96	71359	55.09	ug/l	92
22) Diisopropyl ether	2.92	45	264628	56.25	ug/l	97
23) Vinyl Acetate	3.33	43	644957	303.79	ug/l	97
24) 1,1-Dichloroethane	3.00	63	165948	53.06	ug/l	100
25) 2-Butanone	4.51	43	222033	270.48	ug/l	98
26) 2,2-Dichloropropane	3.76	77	146871	50.85	ug/l	98
27) cis-1,2-Dichloroethene	3.63	96	68320	55.82	ug/l	94
28) Bromochloromethane	3.89	49	47871	48.58	ug/l	# 79
29) Tetrahydrofuran	4.25	42	84720	263.49	ug/l	95
30) Chloroform	4.04	83	186475	51.39	ug/l	97
31) Cyclohexane	3.86	56	76720	58.05	ug/l	94
32) 1,1,1-Trichloroethane	4.27	97	175056	50.04	ug/l	94
36) 1,1-Dichloropropene	4.46	75	108208	48.44	ug/l	98
37) Ethyl Acetate	4.29	43	92123	51.44	ug/l	90
38) Carbon Tetrachloride	4.16	117	156948	51.74	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	86890	55.93	ug/l	95
40) Benzene	4.80	78	205801	54.91	ug/l	99
41) Methacrylonitrile	4.93	41	41869	52.81	ug/l #	84
42) 1,2-Dichloroethane	5.12	62	171339	46.02	ug/l	99
43) Isopropyl Acetate	7.11	43	104500	56.10	ug/l	98
44) Trichloroethene	5.67	130	75735	52.00	ug/l	97
45) 1,2-Dichloropropane	6.40	63	57207	52.36	ug/l	98
46) Dibromomethane	6.25	93	64752	50.23	ug/l	95
47) Bromodichloromethane	6.55	83	155895	50.94	ug/l	93
48) Methyl methacrylate	6.87	41	73661	56.36	ug/l	93
49) 1,4-Dioxane	6.86	88	14538	1144.73	ug/l #	84
51) 4-Methyl-2-Pentanone	8.41	43	466885	263.13	ug/l	100
52) Toluene	7.78	92	147878	52.49	ug/l	98
53) t-1,3-Dichloropropene	8.43	75	135775	49.56	ug/l	94
54) cis-1,3-Dichloropropene	7.46	75	129911	52.12	ug/l	96
55) 1,1,2-Trichloroethane	8.64	97	69805	52.40	ug/l	91
56) Ethyl methacrylate	8.77	69	92642	58.90	ug/l	93
57) 1,3-Dichloropropane	9.00	76	120087	50.68	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.78	63	34062	241.54	ug/l	100
59) 2-Hexanone	9.63	43	393086	274.14	ug/l	96
60) Dibromochloromethane	8.87	129	124426	53.73	ug/l	96
61) 1,2-Dibromoethane	9.14	107	86666	49.72	ug/l	98
64) Tetrachloroethene	8.30	164	80798	50.47	ug/l	91
65) Chlorobenzene	9.95	112	206644	52.13	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.08	131	94361	50.89	ug/l	95
67) Ethyl Benzene	10.05	91	383161	54.37	ug/l	99
68) m/p-Xylenes	10.28	106	253590	104.56	ug/l	96
69) o-Xylene	10.84	106	137495	53.95	ug/l	97
70) Styrene	10.91	104	215476	52.09	ug/l	99
71) Bromoform	10.90	173	86479	54.46	ug/l	93
73) Isopropylbenzene	11.23	105	423461	59.26	ug/l	99
74) N-amyl acetate	11.47	43	167741	67.36	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	106842	60.35	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	94624	57.10	ug/l	96
77) Bromobenzene	11.60	156	119681	57.36	ug/l	95
78) n-propylbenzene	11.69	91	507551	57.77	ug/l	95
79) 2-Chlorotoluene	11.81	91	318001	58.25	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	379429	58.02	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.96	75	38775m	59.76	ug/l	
82) 4-Chlorotoluene	11.99	91	348245	56.76	ug/l	94
83) tert-Butylbenzene	12.22	119	380496	59.48	ug/l	98
84) 1,2,4-Trimethylbenzene	12.30	105	389809	56.55	ug/l	98
85) sec-Butylbenzene	12.39	105	475406	58.04	ug/l	96
86) p-Isopropyltoluene	12.54	119	432259	58.91	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	215474	55.94	ug/l	96
88) 1,4-Dichlorobenzene	12.65	146	217680	55.75	ug/l	97
89) n-Butylbenzene	12.93	91	417780	58.46	ug/l	98
90) Hexachloroethane	13.00	117	94020	57.54	ug/l	94
91) 1,2-Dichlorobenzene	13.03	146	218421	56.26	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.72	75	32863	57.58	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	173141	53.02	ug/l	97
94) Hexachlorobutadiene	14.26	225	107981	55.99	ug/l	98
95) Naphthalene	14.52	128	328641	57.90	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	178864	57.78	ug/l	96

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

