

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081618\
 Data File : VF059968.D
 Acq On : 16 Aug 2018 19:14
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 8/17/2018 11:23:25 AM

Quant Time: Aug 17 05:24:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 17 05:22:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	125926	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	168810	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	177852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	132582	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	14137	4.96	ug/l	0.00
Spiked Amount 50.000			Recovery =	9.92%		
35) Dibromofluoromethane	4.30	113	9603	5.16	ug/l	0.00
Spiked Amount 50.000			Recovery =	10.32%		
50) Toluene-d8	7.72	98	19294	4.90	ug/l	0.00
Spiked Amount 50.000			Recovery =	9.80%		
62) 4-Bromofluorobenzene	11.51	95	12664	4.97	ug/l	0.00
Spiked Amount 50.000			Recovery =	9.94%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	12298	5.62	ug/l	88
3) Chloromethane	1.07	50	5670	5.67	ug/l	94
4) Vinyl Chloride	1.12	62	6022	5.20	ug/l	98
5) Bromomethane	1.32	94	5899	5.52	ug/l	85
6) Chloroethane	1.39	64	3886	5.58	ug/l #	85
7) Trichlorofluoromethane	1.48	101	17645	6.28	ug/l	97
8) Diethyl Ether	1.70	74	2783	4.72	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.86	101	8929	5.23	ug/l	88
10) Methyl Iodide	1.93	142	9960	4.84	ug/l	93
11) Tert butyl alcohol	2.70	59	5671	26.37	ug/l #	78
12) 1,1-Dichloroethene	1.83	96	5909	4.87	ug/l	94
13) Acrolein	2.09	56	1935	40.39	ug/l	95
14) Allyl chloride	2.19	41	11306	5.65	ug/l	91
15) Acrylonitrile	3.08	53	8626	25.48	ug/l #	87
16) Acetone	2.34	43	24309	23.41	ug/l #	89
17) Carbon Disulfide	1.84	76	20368	5.34	ug/l	99
18) Methyl Acetate	2.46	43	14456	2.08	ug/l #	91
19) Methyl tert-butyl Ether	2.54	73	23269	5.14	ug/l	94
20) Methylene Chloride	2.27	84	10939	4.38	ug/l	97
21) trans-1,2-Dichloroethene	2.41	96	5706	4.68	ug/l #	89
22) Diisopropyl ether	2.93	45	20569	4.54	ug/l #	95
23) Vinyl Acetate	3.34	43	40119	20.25	ug/l	98
24) 1,1-Dichloroethane	3.00	63	13957	4.74	ug/l	99
25) 2-Butanone	4.52	43	18865	24.35	ug/l	97
26) 2,2-Dichloropropane	3.76	77	12804	4.67	ug/l	99
27) cis-1,2-Dichloroethene	3.63	96	5407	4.65	ug/l	96
28) Bromochloromethane	3.88	49	5246	5.62	ug/l	83
29) Tetrahydrofuran	4.27	42	8430	28.04	ug/l	93
30) Chloroform	4.04	83	16840	4.86	ug/l	96
31) Cyclohexane	3.85	56	6130	4.79	ug/l	89
32) 1,1,1-Trichloroethane	4.27	97	16175	4.90	ug/l	88
36) 1,1-Dichloropropene	4.46	75	10273	5.43	ug/l	94
37) Ethyl Acetate	4.29	43	7519	4.76	ug/l	96
38) Carbon Tetrachloride	4.18	117	12281	4.69	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	6023	4.40	ug/l #	78
40) Benzene	4.81	78	16671	5.17	ug/l #	88
41) Methacrylonitrile	4.93	41	3490	5.13	ug/l #	82
42) 1,2-Dichloroethane	5.12	62	16962	5.28	ug/l	97
43) Isopropyl Acetate	7.11	43	7938	5.07	ug/l #	91
44) Trichloroethene	5.67	130	6514	5.08	ug/l	83
45) 1,2-Dichloropropane	6.40	63	4498	4.79	ug/l #	88
46) Dibromomethane	6.25	93	5943	5.48	ug/l #	86
47) Bromodichloromethane	6.55	83	12945	4.89	ug/l #	98
48) Methyl methacrylate	6.88	41	4938	4.45	ug/l	90
49) 1,4-Dioxane	6.88	88	963	128.98	ug/l #	45
51) 4-Methyl-2-Pentanone	8.41	43	39693	26.10	ug/l	92
52) Toluene	7.78	92	12067	4.83	ug/l	86
53) t-1,3-Dichloropropene	8.43	75	11947	5.12	ug/l	98
54) cis-1,3-Dichloropropene	7.46	75	10081	4.68	ug/l #	89
55) 1,1,2-Trichloroethane	8.64	97	5372	4.66	ug/l #	85
56) Ethyl methacrylate	8.76	69	6107	4.52	ug/l	98
57) 1,3-Dichloropropane	9.00	76	10310	5.03	ug/l #	86
58) 2-Chloroethyl Vinyl ether	7.77	63	3027	24.26	ug/l	100
59) 2-Hexanone	9.64	43	30309	24.55	ug/l	99
60) Dibromochloromethane	8.86	129	8930	4.41	ug/l	88
61) 1,2-Dibromoethane	9.14	107	7274	4.90	ug/l	89
64) Tetrachloroethene	8.31	164	7813	5.48	ug/l	93
65) Chlorobenzene	9.94	112	18694	5.37	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	8236	5.08	ug/l	82
67) Ethyl Benzene	10.04	91	30970	4.94	ug/l	97
68) m/p-Xylenes	10.27	106	22676	10.67	ug/l	98
69) o-Xylene	10.83	106	10460	4.62	ug/l	96
70) Styrene	10.91	104	19424	5.39	ug/l #	87
71) Bromoform	10.89	173	6541	4.65	ug/l	82
73) Isopropylbenzene	11.23	105	35253	4.61	ug/l	98
74) N-amyl acetate	11.46	43	10179	3.78	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	11.79	83	9840	5.26	ug/l #	81
76) 1,2,3-Trichloropropane	11.89	75	9627	5.59	ug/l	93
77) Bromobenzene	11.60	156	11179	5.06	ug/l	92
78) n-propylbenzene	11.69	91	47178	5.05	ug/l	97
79) 2-Chlorotoluene	11.82	91	29626	5.11	ug/l	93
80) 1,3,5-Trimethylbenzene	11.91	105	33722	4.79	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.96	75	3129m	4.54	ug/l	
82) 4-Chlorotoluene	11.99	91	32419	4.95	ug/l	97
83) tert-Butylbenzene	12.22	119	32006	4.69	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	33853	4.58	ug/l	98
85) sec-Butylbenzene	12.39	105	41017	4.66	ug/l	96
86) p-Isopropyltoluene	12.55	119	37382	4.77	ug/l	95
87) 1,3-Dichlorobenzene	12.56	146	21260	5.13	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	21730	5.20	ug/l	96
89) n-Butylbenzene	12.92	91	35700	4.67	ug/l	97
90) Hexachloroethane	13.00	117	7769	4.40	ug/l	87
91) 1,2-Dichlorobenzene	13.02	146	21077	5.12	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.72	75	2590	4.31	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	16505	4.72	ug/l	88
94) Hexachlorobutadiene	14.26	225	9766	4.68	ug/l	95
95) Naphthalene	14.53	128	25027	4.21	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	15578	4.70	ug/l	97

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

