

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081418\
 Data File : VF059954.D
 Acq On : 14 Aug 2018 19:37
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 8/16/2018 12:15:02 PM

Quant Time: Aug 15 09:08:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 08:56:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	120425	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	163789	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	164170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	108944	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	42242	19.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.84%	
35) Dibromofluoromethane	4.30	113	33466	20.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.38%	
50) Toluene-d8	7.73	98	74831	21.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.08%	
62) 4-Bromofluorobenzene	11.52	95	42865	21.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	37063	18.46	ug/l	96
3) Chloromethane	1.09	50	16803	18.06	ug/l	97
4) Vinyl Chloride	1.16	62	17689	18.32	ug/l	90
5) Bromomethane	1.35	94	17021	18.81	ug/l	92
6) Chloroethane	1.44	64	11996	19.83	ug/l #	81
7) Trichlorofluoromethane	1.54	101	49998	18.74	ug/l	92
8) Diethyl Ether	1.71	74	6925	16.62	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.91	101	27634	19.03	ug/l	95
10) Methyl Iodide	1.97	142	41767	18.79	ug/l	95
11) Tert butyl alcohol	2.70	59	9433	106.24	ug/l #	88
12) 1,1-Dichloroethene	1.86	96	19796	18.60	ug/l	91
13) Acrolein	2.11	56	3492	66.18	ug/l	91
14) Allyl chloride	2.20	41	27389	16.04	ug/l #	94
15) Acrylonitrile	3.08	53	12987	83.74	ug/l	92
16) Acetone	2.34	43	45567	113.17	ug/l	100
17) Carbon Disulfide	1.89	76	52070	18.61	ug/l	98
18) Methyl Acetate	2.46	43	11911	17.98	ug/l #	85
19) Methyl tert-butyl Ether	2.55	73	56629	18.79	ug/l	99
20) Methylene Chloride	2.33	84	21312m	23.08	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	19774	18.80	ug/l	86
22) Diisopropyl ether	2.93	45	63199	18.54	ug/l #	97
23) Vinyl Acetate	3.35	43	164706	99.26	ug/l	99
24) 1,1-Dichloroethane	3.01	63	47527	19.20	ug/l	96
25) 2-Butanone	4.52	43	46332	107.22	ug/l	96
26) 2,2-Dichloropropane	3.78	77	30462	20.72	ug/l	96
27) cis-1,2-Dichloroethene	3.64	96	21230	18.13	ug/l	97
28) Bromochloromethane	3.90	49	17676	19.92	ug/l #	96
29) Tetrahydrofuran	4.27	42	16308	102.53	ug/l	96
30) Chloroform	4.05	83	64864	19.35	ug/l	94
31) Cyclohexane	3.89	56	23303	19.07	ug/l #	87
32) 1,1,1-Trichloroethane	4.30	97	54383	20.25	ug/l #	90
36) 1,1-Dichloropropene	4.47	75	37876	20.37	ug/l	95
37) Ethyl Acetate	4.30	43	17230	21.60	ug/l #	75
38) Carbon Tetrachloride	4.19	117	65330	23.56	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	28291	20.40	ug/l	96
40) Benzene	4.83	78	62800	17.86	ug/l	92
41) Methacrylonitrile	4.95	41	8527	20.42	ug/l #	73
42) 1,2-Dichloroethane	5.13	62	52966	20.43	ug/l	99
43) Isopropyl Acetate	7.13	43	17495	20.82	ug/l #	83
44) Trichloroethene	5.69	130	25309	20.46	ug/l	98
45) 1,2-Dichloropropane	6.41	63	17429	20.40	ug/l #	78
46) Dibromomethane	6.27	93	15780	18.22	ug/l	90
47) Bromodichloromethane	6.56	83	49545	20.88	ug/l	98
48) Methyl methacrylate	6.89	41	12716	19.61	ug/l	91
49) 1,4-Dioxane	6.88	88	1953	427.67	ug/l #	64
51) 4-Methyl-2-Pentanone	8.43	43	87930	103.05	ug/l	95
52) Toluene	7.79	92	49371	20.91	ug/l	96
53) t-1,3-Dichloropropene	8.45	75	41417	22.54	ug/l	98
54) cis-1,3-Dichloropropene	7.48	75	37997	20.24	ug/l	94
55) 1,1,2-Trichloroethane	8.65	97	17022	20.04	ug/l #	88
56) Ethyl methacrylate	8.77	69	16501	19.97	ug/l	94
57) 1,3-Dichloropropane	9.02	76	30966	21.00	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.79	63	12239	108.93	ug/l	100
59) 2-Hexanone	9.65	43	63718	105.08	ug/l	90
60) Dibromochloromethane	8.88	129	32291	20.17	ug/l	91
61) 1,2-Dibromoethane	9.15	107	20270	19.59	ug/l	96
64) Tetrachloroethene	8.33	164	26234	19.13	ug/l	96
65) Chlorobenzene	9.95	112	66947	20.36	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.09	131	34839	21.45	ug/l	96
67) Ethyl Benzene	10.05	91	120023	21.09	ug/l	96
68) m/p-Xylenes	10.29	106	81027	41.16	ug/l	96
69) o-Xylene	10.84	106	43599	21.11	ug/l	95
70) Styrene	10.92	104	68876	22.09	ug/l	97
71) Bromoform	10.90	173	19770	19.73	ug/l	94
73) Isopropylbenzene	11.24	105	150224	22.28	ug/l	97
74) N-amyl acetate	11.48	43	31478	20.62	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.80	83	23461	18.67	ug/l	94
76) 1,2,3-Trichloropropane	11.90	75	20414	18.82	ug/l	96
77) Bromobenzene	11.61	156	38077	20.71	ug/l	95
78) n-propylbenzene	11.70	91	173462	21.75	ug/l	98
79) 2-Chlorotoluene	11.83	91	104116	20.74	ug/l	99
80) 1,3,5-Trimethylbenzene	11.92	105	135956	21.73	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.97	75	7630m	17.70	ug/l	
82) 4-Chlorotoluene	12.00	91	110975	20.11	ug/l	100
83) tert-Butylbenzene	12.23	119	139144	22.70	ug/l	97
84) 1,2,4-Trimethylbenzene	12.30	105	137201	21.15	ug/l	98
85) sec-Butylbenzene	12.40	105	169777	20.89	ug/l	97
86) p-Isopropyltoluene	12.55	119	152525	22.40	ug/l	99
87) 1,3-Dichlorobenzene	12.57	146	73281	21.05	ug/l	95
88) 1,4-Dichlorobenzene	12.65	146	67339	19.65	ug/l	97
89) n-Butylbenzene	12.93	91	147330	22.43	ug/l	96
90) Hexachloroethane	13.01	117	35375	19.06	ug/l	96
91) 1,2-Dichlorobenzene	13.03	146	69552	20.84	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.73	75	6609	20.84	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	55049	21.44	ug/l	96
94) Hexachlorobutadiene	14.27	225	39538	21.75	ug/l	95
95) Naphthalene	14.54	128	87722	19.97	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	51383	20.46	ug/l	98

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

