

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080418\
 Data File : VF059864.D
 Acq On : 4 Aug 2018 4:16
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 8/6/2018 10:25:54 AM

Quant Time: Aug 04 05:42:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 05:27:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	183867	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	268152	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	243681	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	176718	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	68381	20.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.72%	
35) Dibromofluoromethane	4.30	113	55668	19.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.70%	
50) Toluene-d8	7.71	98	118275	18.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.48%	
62) 4-Bromofluorobenzene	11.51	95	66022	18.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	65533	24.40	ug/l	98
3) Chloromethane	1.09	50	31244	23.86	ug/l	99
4) Vinyl Chloride	1.15	62	31768	23.58	ug/l #	88
5) Bromomethane	1.33	94	29439	26.39	ug/l	94
6) Chloroethane	1.42	64	20456	24.14	ug/l	97
7) Trichlorofluoromethane	1.53	101	86589m	24.13	ug/l	
8) Diethyl Ether	1.70	74	12315	20.57	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.89	101	50392	26.84	ug/l #	90
10) Methyl Iodide	1.96	142	69698	23.38	ug/l	96
11) Tert butyl alcohol	2.68	59	13910	94.67	ug/l #	85
12) 1,1-Dichloroethene	1.85	96	34146	22.88	ug/l	78
13) Acrolein	2.08	56	7679	120.37	ug/l	99
14) Allyl chloride	2.19	41	54043	22.59	ug/l	94
15) Acrylonitrile	3.08	53	23977	98.56	ug/l #	91
16) Acetone	2.34	43	63270	104.99	ug/l	98
17) Carbon Disulfide	1.88	76	89832	24.18	ug/l	99
18) Methyl Acetate	2.46	43	21316	18.94	ug/l	96
19) Methyl tert-butyl Ether	2.53	73	100320	22.65	ug/l	97
20) Methylene Chloride	2.28	84	33910m	19.65	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	33873	22.66	ug/l #	93
22) Diisopropyl ether	2.93	45	110111	22.18	ug/l	94
23) Vinyl Acetate	3.33	43	265948	105.50	ug/l	98
24) 1,1-Dichloroethane	3.00	63	81511	23.43	ug/l	100
25) 2-Butanone	4.52	43	69641	107.28	ug/l #	87
26) 2,2-Dichloropropane	3.77	77	49491	20.66	ug/l	92
27) cis-1,2-Dichloroethene	3.64	96	36930	20.14	ug/l	96
28) Bromochloromethane	3.89	49	27671	20.49	ug/l	87
29) Tetrahydrofuran	4.26	42	25891	100.99	ug/l	96
30) Chloroform	4.03	83	110272	22.72	ug/l	91
31) Cyclohexane	3.89	56	38996	20.67	ug/l	95
32) 1,1,1-Trichloroethane	4.28	97	87431	22.98	ug/l	98
36) 1,1-Dichloropropene	4.46	75	60347	18.92	ug/l	94
37) Ethyl Acetate	4.29	43	27546	17.74	ug/l #	87
38) Carbon Tetrachloride	4.17	117	89713m	20.50	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	48304	20.07	ug/l	92
40) Benzene	4.81	78	108355	19.57	ug/l	94
41) Methacrylonitrile	4.93	41	13196	17.30	ug/l #	89
42) 1,2-Dichloroethane	5.12	62	88082	22.28	ug/l	100
43) Isopropyl Acetate	7.12	43	26079	16.39	ug/l #	88
44) Trichloroethene	5.68	130	44279	20.63	ug/l	89
45) 1,2-Dichloropropane	6.40	63	29177	20.06	ug/l	93
46) Dibromomethane	6.25	93	28921	20.88	ug/l	92
47) Bromodichloromethane	6.55	83	78472	20.67	ug/l	98
48) Methyl methacrylate	6.88	41	20775	17.25	ug/l	90
49) 1,4-Dioxane	6.87	88	2707	291.53	ug/l #	52
51) 4-Methyl-2-Pentanone	8.41	43	147787	116.79	ug/l	94
52) Toluene	7.78	92	80166	19.51	ug/l	93
53) t-1,3-Dichloropropene	8.43	75	64597	20.02	ug/l	100
54) cis-1,3-Dichloropropene	7.46	75	63742	20.17	ug/l	90
55) 1,1,2-Trichloroethane	8.64	97	28647	19.46	ug/l	94
56) Ethyl methacrylate	8.76	69	26412	17.34	ug/l	87
57) 1,3-Dichloropropane	9.00	76	49745	19.49	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.78	63	18653	100.66	ug/l	100
59) 2-Hexanone	9.63	43	99523	99.58	ug/l	98
60) Dibromochloromethane	8.86	129	55991	21.15	ug/l	95
61) 1,2-Dibromoethane	9.14	107	35338	20.22	ug/l	100
64) Tetrachloroethene	8.30	164	45683	22.99	ug/l	98
65) Chlorobenzene	9.95	112	104347	20.89	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.08	131	56603	24.15	ug/l	95
67) Ethyl Benzene	10.05	91	194883	22.48	ug/l	100
68) m/p-Xylenes	10.27	106	136669	44.99	ug/l	94
69) o-Xylene	10.83	106	71776	22.34	ug/l	99
70) Styrene	10.90	104	108865	22.62	ug/l	98
71) Bromoform	10.89	173	33251	22.10	ug/l	93
73) Isopropylbenzene	11.23	105	241075	20.37	ug/l	98
74) N-amyl acetate	11.47	43	50470	17.29	ug/l	96
75) 1,1,1,2-Tetrachloroethane	11.79	83	41938	19.15	ug/l	99
76) 1,2,3-Trichloropropane	11.89	75	37751	20.11	ug/l	97
77) Bromobenzene	11.59	156	62170	20.19	ug/l	94
78) n-propylbenzene	11.69	91	285151	20.67	ug/l	98
79) 2-Chlorotoluene	11.81	91	174397	20.34	ug/l	100
80) 1,3,5-Trimethylbenzene	11.92	105	226485	21.25	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.96	75	12985m	17.19	ug/l	
82) 4-Chlorotoluene	11.99	91	192452	21.03	ug/l	98
83) tert-Butylbenzene	12.21	119	218872	20.69	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	232044	21.69	ug/l	97
85) sec-Butylbenzene	12.39	105	282877	20.77	ug/l	96
86) p-Isopropyltoluene	12.54	119	243688	20.29	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	123009	20.95	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	118612	20.65	ug/l	98
89) n-Butylbenzene	12.92	91	239720	21.22	ug/l	98
90) Hexachloroethane	12.99	117	62393	20.69	ug/l	84
91) 1,2-Dichlorobenzene	13.02	146	115709	20.37	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	9878	18.14	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	89527	20.29	ug/l	97
94) Hexachlorobutadiene	14.25	225	65398	22.11	ug/l	93
95) Naphthalene	14.52	128	148592	19.25	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	86310	20.14	ug/l	100

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

