

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121418\
 Data File : VF061014.D
 Acq On : 14 Dec 2018 12:15
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/15/2018 3:25:35 PM

Quant Time: Dec 15 00:13:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	192777	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.58	114	322671	50.00	ug/l	-0.06
63) Chlorobenzene-d5	9.76	117	282642	50.00	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	12.54	152	142973	50.00	ug/l	-0.03

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	106985	47.11	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	94.22%	
35) Dibromofluoromethane	4.10	113	118089	46.13	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	92.26%	
50) Toluene-d8	7.54	98	338855	44.94	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	89.88%	
62) 4-Bromofluorobenzene	11.40	95	147851	43.14	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	86.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	119364	41.411	ug/l	98
3) Chloromethane	1.09	50	89206	47.560	ug/l	98
4) Vinyl Chloride	1.13	62	87057	49.760	ug/l	95
5) Bromomethane	1.32	94	63521	51.489	ug/l	98
6) Chloroethane	1.38	64	40099	53.022	ug/l	95
7) Trichlorofluoromethane	1.48	101	186768	49.754	ug/l	98
8) Diethyl Ether	1.62	74	28114	52.083	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.82	101	102679	54.106	ug/l	98
10) Methyl Iodide	1.89	142	153458m	53.200	ug/l	
11) Tert butyl alcohol	2.56	59	24477	262.931	ug/l	95
12) 1,1-Dichloroethene	1.78	96	82519	54.060	ug/l	98
13) Acrolein	1.99	56	17499	198.396	ug/l	98
14) Allyl chloride	2.09	41	98924	51.996	ug/l	99
15) Acrylonitrile	2.92	53	57783	276.862	ug/l	95
16) Acetone	2.22	43	133391	318.522	ug/l	96
17) Carbon Disulfide	1.84	76	177829	43.450	ug/l	94
18) Methyl Acetate	2.33	43	43209	61.893	ug/l	98
19) Methyl tert-butyl Ether	2.42	73	178530	51.929	ug/l	93
20) Methylene Chloride	2.16	84	76318m	49.676	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	78741	53.507	ug/l	97
22) Diisopropyl ether	2.79	45	292181	56.420	ug/l	97
23) Vinyl Acetate	3.17	43	673738	284.609	ug/l	98
24) 1,1-Dichloroethane	2.86	63	172147	55.871	ug/l	99
25) 2-Butanone	4.32	43	198500	274.041	ug/l	96
26) 2,2-Dichloropropane	3.59	77	104953	52.541	ug/l	97
27) cis-1,2-Dichloroethene	3.46	96	130946	54.657	ug/l	98
28) Bromochloromethane	3.69	49	72070	48.738	ug/l	98
29) Tetrahydrofuran	4.05	42	74074	241.253	ug/l	96
30) Chloroform	3.84	83	246749	52.034	ug/l	96
31) Cyclohexane	3.66	56	154689	48.376	ug/l	96
32) 1,1,1-Trichloroethane	4.07	97	175594	53.393	ug/l	95
36) 1,1-Dichloropropene	4.26	75	173020	48.344	ug/l	100
37) Ethyl Acetate	4.09	43	70573	48.524	ug/l #	83
38) Carbon Tetrachloride	3.97	117	152645	48.288	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	170047	45.338	ug/l	89
40) Benzene	4.61	78	370850	46.904	ug/l	96
41) Methacrylonitrile	4.72	41	38698	51.508	ug/l	92
42) 1,2-Dichloroethane	4.93	62	145206	50.304	ug/l	100
43) Isopropyl Acetate	6.94	43	91065	50.791	ug/l #	90
44) Trichloroethene	5.49	130	122197	47.268	ug/l	100
45) 1,2-Dichloropropane	6.22	63	111485	54.291	ug/l #	55
46) Dibromomethane	6.07	93	69182	49.664	ug/l	93
47) Bromodichloromethane	6.37	83	187356	50.639	ug/l	99
48) Methyl methacrylate	6.70	41	65327	49.622	ug/l	95
49) 1,4-Dioxane	6.69	88	9088	943.236	ug/l #	91
51) 4-Methyl-2-Pentanone	8.24	43	326987	243.805	ug/l	98
52) Toluene	7.61	92	253961	45.728	ug/l	100
53) t-1,3-Dichloropropene	8.26	75	145890	48.477	ug/l	98
54) cis-1,3-Dichloropropene	7.28	75	190530	51.140	ug/l	95
55) 1,1,2-Trichloroethane	8.48	97	79909	49.379	ug/l	94
56) Ethyl methacrylate	8.61	69	88977	49.494	ug/l	92
57) 1,3-Dichloropropane	8.83	76	139549	49.288	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.27	63	80277	436.572	ug/l	98
59) 2-Hexanone	9.47	43	249588	265.259	ug/l	99
60) Dibromochloromethane	8.70	129	121930	50.568	ug/l	99
61) 1,2-Dibromoethane	8.97	107	86884	49.699	ug/l	97
64) Tetrachloroethene	8.13	164	110832	51.339	ug/l	98
65) Chlorobenzene	9.78	112	293069	53.300	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.92	131	121961	51.595	ug/l	97
67) Ethyl Benzene	9.89	91	537480	52.506	ug/l	95
68) m/p-Xylenes	10.12	106	379831	103.168	ug/l	97
69) o-Xylene	10.70	106	220276	54.258	ug/l	89
70) Styrene	10.78	104	300794	53.448	ug/l	98
71) Bromoform	10.76	173	61638	53.984	ug/l	99
73) Isopropylbenzene	11.11	105	624999	55.317	ug/l	97
74) N-amyl acetate	11.36	43	144192	55.267	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.68	83	109713	59.002	ug/l	99
76) 1,2,3-Trichloropropane	11.78	75	73540m	54.410	ug/l	
77) Bromobenzene	11.49	156	133550	53.915	ug/l	94
78) n-propylbenzene	11.59	91	716984	54.188	ug/l	98
79) 2-Chlorotoluene	11.70	91	427777	56.385	ug/l	100
80) 1,3,5-Trimethylbenzene	11.81	105	493835	53.840	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.86	75	33257m	50.220	ug/l	
82) 4-Chlorotoluene	11.89	91	425192	53.255	ug/l	93
83) tert-Butylbenzene	12.12	119	524322	56.118	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	475379	51.930	ug/l	99
85) sec-Butylbenzene	12.30	105	695276	54.360	ug/l	100
86) p-Isopropyltoluene	12.45	119	564642	52.656	ug/l	100
87) 1,3-Dichlorobenzene	12.46	146	247737	52.579	ug/l	99
88) 1,4-Dichlorobenzene	12.55	146	238619	51.967	ug/l	97
89) n-Butylbenzene	12.83	91	598465	55.194	ug/l	95
90) Hexachloroethane	12.91	117	149755	57.995	ug/l	91
91) 1,2-Dichlorobenzene	12.93	146	240304	53.856	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.63	75	18695	52.001	ug/l	71

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	168376	54.007	ug/l	97
94) Hexachlorobutadiene	14.18	225	118901	57.210	ug/l	99
95) Naphthalene	14.45	128	321542	53.373	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	150464	51.977	ug/l	96

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

