

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071818\
 Data File : VF059519.D
 Acq On : 18 Jul 2018 18:04
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 7/19/2018 10:18:18 AM

Quant Time: Jul 19 05:08:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	276424	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.75	114	390508	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.91	117	397690	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.63	152	239049	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	207619	48.29	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	96.58%	
35) Dibromofluoromethane	4.28	113	168594	49.85	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	99.70%	
50) Toluene-d8	7.70	98	413436	48.53	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	97.06%	
62) 4-Bromofluorobenzene	11.50	95	233970	52.35	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	104.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	157331	46.46	ug/l	97
3) Chloromethane	1.09	50	78727	42.25	ug/l	99
4) Vinyl Chloride	1.14	62	91087	48.44	ug/l	100
5) Bromomethane	1.33	94	65381	50.17	ug/l	99
6) Chloroethane	1.42	64	51650	54.48	ug/l	91
7) Trichlorofluoromethane	1.48	101	227662m	49.47	ug/l	
8) Diethyl Ether	1.70	74	44605	50.37	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.88	101	103103	53.05	ug/l	97
10) Methyl Iodide	1.95	142	201664	59.28	ug/l	95
11) Tert butyl alcohol	2.67	59	55759	310.92	ug/l #	81
12) 1,1-Dichloroethene	1.84	96	98756	47.78	ug/l	100
13) Acrolein	2.08	56	22116	299.72	ug/l	83
14) Allyl chloride	2.18	41	165031	63.99	ug/l	93
15) Acrylonitrile	3.07	53	99117	274.80	ug/l	97
16) Acetone	2.33	43	241441	391.62	ug/l	99
17) Carbon Disulfide	1.87	76	239601	45.24	ug/l	96
18) Methyl Acetate	2.44	43	63742m	48.45	ug/l	
19) Methyl tert-butyl Ether	2.52	73	321043	49.52	ug/l	96
20) Methylene Chloride	2.31	84	102414m	53.09	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	94512	49.46	ug/l	98
22) Diisopropyl ether	2.91	45	351666	48.52	ug/l #	95
23) Vinyl Acetate	3.31	43	1067392	252.00	ug/l	97
24) 1,1-Dichloroethane	2.99	63	232372	51.91	ug/l	99
25) 2-Butanone	4.49	43	255549	256.03	ug/l	99
26) 2,2-Dichloropropane	3.75	77	159701	53.93	ug/l	95
27) cis-1,2-Dichloroethene	3.62	96	122890	55.26	ug/l	92
28) Bromochloromethane	3.88	49	91975	46.68	ug/l #	98
29) Tetrahydrofuran	4.23	42	112910	280.60	ug/l	96
30) Chloroform	4.02	83	321070	49.65	ug/l	98
31) Cyclohexane	3.85	56	131639	56.77	ug/l	97
32) 1,1,1-Trichloroethane	4.26	97	248404	59.11	ug/l	98
36) 1,1-Dichloropropene	4.45	75	198031	50.66	ug/l	97
37) Ethyl Acetate	4.27	43	113132	54.22	ug/l #	21
38) Carbon Tetrachloride	4.16	117	267300m	59.67	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	168420	56.78	ug/l	98
40) Benzene	4.79	78	390713	51.52	ug/l	98
41) Methacrylonitrile	4.90	41	55891	49.86	ug/l #	88
42) 1,2-Dichloroethane	5.11	62	267946	53.79	ug/l	99
43) Isopropyl Acetate	7.10	43	146001	51.98	ug/l	98
44) Trichloroethene	5.66	130	139787	49.80	ug/l	89
45) 1,2-Dichloropropane	6.39	63	103322	49.09	ug/l	100
46) Dibromomethane	6.24	93	97524	50.88	ug/l	94
47) Bromodichloromethane	6.54	83	256578	52.00	ug/l	99
48) Methyl methacrylate	6.86	41	104838	52.26	ug/l	96
49) 1,4-Dioxane	6.84	88	12817	1491.31	ug/l #	83
51) 4-Methyl-2-Pentanone	8.39	43	497221	249.74	ug/l	98
52) Toluene	7.77	92	264772	48.14	ug/l	91
53) t-1,3-Dichloropropene	8.42	75	224207	49.40	ug/l	96
54) cis-1,3-Dichloropropene	7.44	75	235484	52.11	ug/l	99
55) 1,1,2-Trichloroethane	8.63	97	115789	54.34	ug/l	97
56) Ethyl methacrylate	8.75	69	142415	53.89	ug/l	90
57) 1,3-Dichloropropane	8.99	76	185793	49.31	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.77	63	55525	238.00	ug/l	100
59) 2-Hexanone	9.62	43	405793	269.69	ug/l	97
60) Dibromochloromethane	8.85	129	198168	55.18	ug/l	97
61) 1,2-Dibromoethane	9.12	107	137879	52.15	ug/l	95
64) Tetrachloroethene	8.29	164	143737	48.53	ug/l	98
65) Chlorobenzene	9.93	112	382348	51.26	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	163970	48.27	ug/l	99
67) Ethyl Benzene	10.03	91	656471	49.45	ug/l	98
68) m/p-Xylenes	10.26	106	463611	98.94	ug/l	99
69) o-Xylene	10.82	106	248979	49.90	ug/l	94
70) Styrene	10.89	104	374463	48.83	ug/l	98
71) Bromoform	10.88	173	123450	52.32	ug/l #	97
73) Isopropylbenzene	11.22	105	763142	50.59	ug/l	100
74) N-amyl acetate	11.46	43	231030	47.82	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	155644	47.31	ug/l	95
76) 1,2,3-Trichloropropane	11.88	75	134702	50.14	ug/l	92
77) Bromobenzene	11.59	156	202933	48.00	ug/l	98
78) n-propylbenzene	11.68	91	886438	51.23	ug/l	100
79) 2-Chlorotoluene	11.81	91	528205	49.56	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	650067	51.43	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	57981m	47.24	ug/l	
82) 4-Chlorotoluene	11.99	91	591268	49.51	ug/l	89
83) tert-Butylbenzene	12.20	119	630031	51.94	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	660214	50.77	ug/l	99
85) sec-Butylbenzene	12.38	105	811908	52.63	ug/l	98
86) p-Isopropyltoluene	12.53	119	710279	52.91	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	364495	50.25	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	358424	50.15	ug/l	97
89) n-Butylbenzene	12.91	91	698866	55.63	ug/l	97
90) Hexachloroethane	12.99	117	170369	55.87	ug/l	88
91) 1,2-Dichlorobenzene	13.01	146	338908	48.85	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	38298	51.38	ug/l #	64

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	253022	60.02	ug/l	97
94) Hexachlorobutadiene	14.25	225	150988	69.92	ug/l	96
95) Naphthalene	14.52	128	499464	57.04	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	228376m	59.96	ug/l	

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

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