

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF102618\
 Data File : VF060515.D
 Acq On : 26 Oct 2018 13:03
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 10/29/2018 12:11:58 PM

Quant Time: Oct 27 02:08:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102518S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 26 02:17:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	242862	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	366240	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	317761	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	184953	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	208190	43.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.26%	
35) Dibromofluoromethane	4.28	113	193126	43.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.98%	
50) Toluene-d8	7.70	98	408453	46.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.72%	
62) 4-Bromofluorobenzene	11.50	95	200105	40.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.56%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.00	85	247187	41.955	ug/l	87
3) Chloromethane	1.14	50	153053	49.872	ug/l	99
4) Vinyl Chloride	1.18	62	177088	49.994	ug/l	93
5) Bromomethane	1.35	94	147373	41.310	ug/l	99
6) Chloroethane	1.43	64	99140	45.152	ug/l #	89
7) Trichlorofluoromethane	1.54	101	474866	41.883	ug/l	95
8) Diethyl Ether	1.69	74	53431	50.529	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.89	101	219113	45.623	ug/l	92
10) Methyl Iodide	1.92	142	322066m	47.463	ug/l	
11) Tert butyl alcohol	2.68	59	55359	247.688	ug/l #	81
12) 1,1-Dichloroethene	1.85	96	167276	48.378	ug/l	75
13) Acrolein	2.08	56	46842	218.181	ug/l	88
14) Allyl chloride	2.19	41	271331	49.026	ug/l	88
15) Acrylonitrile	3.07	53	113107	291.086	ug/l	91
16) Acetone	2.33	43	269163	286.359	ug/l	99
17) Carbon Disulfide	1.87	76	453357m	47.855	ug/l	
18) Methyl Acetate	2.44	43	83096	52.421	ug/l	94
19) Methyl tert-butyl Ether	2.53	73	402047	46.454	ug/l	92
20) Methylene Chloride	2.27	84	158802m	54.474	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	166218	50.395	ug/l	95
22) Diisopropyl ether	2.92	45	511689	52.127	ug/l #	96
23) Vinyl Acetate	3.32	43	854618	275.239	ug/l	97
24) 1,1-Dichloroethane	3.00	63	367382	49.078	ug/l #	95
25) 2-Butanone	4.49	43	260865	304.317	ug/l	93
26) 2,2-Dichloropropane	3.76	77	237212	47.911	ug/l	99
27) cis-1,2-Dichloroethene	3.63	96	181124	57.531	ug/l	85
28) Bromochloromethane	3.88	49	95784	43.487	ug/l	94
29) Tetrahydrofuran	4.24	42	93033	313.511	ug/l	98
30) Chloroform	4.03	83	429110	49.704	ug/l	88
31) Cyclohexane	3.86	56	213131	57.662	ug/l	95
32) 1,1,1-Trichloroethane	4.27	97	383932	48.168	ug/l	97
36) 1,1-Dichloropropene	4.45	75	278667	51.411	ug/l	98
37) Ethyl Acetate	4.28	43	86852	59.294	ug/l #	90
38) Carbon Tetrachloride	4.16	117	420528	51.269	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	256724	58.034	ug/l	88
40) Benzene	4.80	78	511711	57.379	ug/l	99
41) Methacrylonitrile	4.91	41	48711	53.596	ug/l #	91
42) 1,2-Dichloroethane	5.11	62	279146	48.424	ug/l	100
43) Isopropyl Acetate	7.11	43	101117	54.129	ug/l #	97
44) Trichloroethene	5.67	130	170854	54.912	ug/l	90
45) 1,2-Dichloropropane	6.39	63	117071	51.841	ug/l	92
46) Dibromomethane	6.25	93	102630	48.430	ug/l	91
47) Bromodichloromethane	6.53	83	276111	46.443	ug/l	100
48) Methyl methacrylate	6.86	41	70913	50.358	ug/l	88
49) 1,4-Dioxane	6.85	88	14068	1159.490	ug/l #	85
51) 4-Methyl-2-Pentanone	8.40	43	378004	259.029	ug/l #	87
52) Toluene	7.77	92	329835	56.247	ug/l	90
53) t-1,3-Dichloropropene	8.42	75	205858	46.763	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	240548	53.044	ug/l	88
55) 1,1,2-Trichloroethane	8.62	97	100978	54.392	ug/l	95
56) Ethyl methacrylate	8.75	69	112711	56.922	ug/l #	80
57) 1,3-Dichloropropane	8.99	76	169776	52.221	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.77	63	64706	236.317	ug/l	100
59) 2-Hexanone	9.62	43	286427	310.507	ug/l	100
60) Dibromochloromethane	8.85	129	173443	49.195	ug/l	98
61) 1,2-Dibromoethane	9.13	107	112759	51.087	ug/l	91
64) Tetrachloroethene	8.30	164	147993	55.248	ug/l	92
65) Chlorobenzene	9.93	112	386909	57.918	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.06	131	188078	54.388	ug/l	92
67) Ethyl Benzene	10.03	91	726091	53.225	ug/l	95
68) m/p-Xylenes	10.26	106	492008	114.882	ug/l	94
69) o-Xylene	10.82	106	279853	58.253	ug/l	93
70) Styrene	10.89	104	378839	56.485	ug/l	96
71) Bromoform	10.88	173	95004	51.633	ug/l	96
73) Isopropylbenzene	11.22	105	887743	60.422	ug/l	97
74) N-amyl acetate	11.45	43	170242	65.248	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	136383	64.422	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	100039	54.123	ug/l	97
77) Bromobenzene	11.59	156	181274	59.179	ug/l	88
78) n-propylbenzene	11.68	91	1000003	58.218	ug/l	99
79) 2-Chlorotoluene	11.81	91	590586	56.737	ug/l	94
80) 1,3,5-Trimethylbenzene	11.91	105	727213	56.360	ug/l	90
81) trans-1,4-Dichloro-2-buten	11.95	75	44669m	57.453	ug/l	
82) 4-Chlorotoluene	11.99	91	613273	55.762	ug/l	94
83) tert-Butylbenzene	12.21	119	768555	58.967	ug/l	93
84) 1,2,4-Trimethylbenzene	12.28	105	746596	58.372	ug/l	92
85) sec-Butylbenzene	12.38	105	993914	56.821	ug/l	99
86) p-Isopropyltoluene	12.53	119	836680	56.301	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	357261	57.383	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	355964	59.023	ug/l	97
89) n-Butylbenzene	12.91	91	859714	54.385	ug/l	95
90) Hexachloroethane	12.99	117	224461	57.564	ug/l	88
91) 1,2-Dichlorobenzene	13.01	146	337746	56.561	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	32315	59.879	ug/l #	63

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	265738	54.655	ug/l	93
94) Hexachlorobutadiene	14.25	225	200244	55.066	ug/l	97
95) Naphthalene	14.52	128	486428	63.430	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	259864	58.106	ug/l	99

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

