

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100518\
 Data File : VF060461.D
 Acq On : 5 Oct 2018 17:45
 Operator : VA/AP
 Sample : VF1005SBS01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1005SBS01

Manual Integrations
 APPROVED

apatel
 10/8/2018 10:19:03 AM

Quant Time: Oct 08 09:36:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	191256	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.75	114	292925	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	256254	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	144579	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	131754	44.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.04%	
35) Dibromofluoromethane	4.27	113	143241	52.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.10%	
50) Toluene-d8	7.69	98	341607	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
62) 4-Bromofluorobenzene	11.49	95	148648	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.99	85	120167	26.585	ug/l	99
3) Chloromethane	1.12	50	57939	22.309	ug/l	98
4) Vinyl Chloride	1.18	62	64030	23.700	ug/l	96
5) Bromomethane	1.36	94	52040	24.868	ug/l	100
6) Chloroethane	1.42	64	32626	24.200	ug/l	98
7) Trichlorofluoromethane	1.53	101	163678	26.113	ug/l	93
8) Diethyl Ether	1.70	74	13251	15.426	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.88	101	78991	26.309	ug/l #	84
10) Methyl Iodide	1.95	142	104656	22.857	ug/l	93
11) Tert butyl alcohol	2.67	59	12317	68.042	ug/l #	85
12) 1,1-Dichloroethene	1.85	96	55286	23.831	ug/l #	95
13) Acrolein	2.09	56	10831	74.400	ug/l	100
14) Allyl chloride	2.18	41	89513	24.080	ug/l	93
15) Acrylonitrile	3.06	53	23910	77.085	ug/l	93
16) Acetone	2.33	43	64463	89.342	ug/l	99
17) Carbon Disulfide	1.87	76	168325	23.961	ug/l	95
18) Methyl Acetate	2.43	43	20596m	17.143	ug/l	
19) Methyl tert-butyl Ether	2.52	73	98284	17.394	ug/l	96
20) Methylene Chloride	2.27	84	48009	18.467	ug/l	96
21) trans-1,2-Dichloroethene	2.40	96	54278	23.426	ug/l	95
22) Diisopropyl ether	2.91	45	129142	19.140	ug/l #	97
23) Vinyl Acetate	3.32	43	209399	78.126	ug/l	98
24) 1,1-Dichloroethane	3.00	63	104955	23.002	ug/l	99
25) 2-Butanone	4.48	43	71411	92.154	ug/l	100
26) 2,2-Dichloropropane	3.74	77	70081	27.118	ug/l	98
27) cis-1,2-Dichloroethene	3.62	96	49492	19.105	ug/l	95
28) Bromochloromethane	3.86	49	31018	18.445	ug/l	86
29) Tetrahydrofuran	4.24	42	20856	68.112	ug/l	95
30) Chloroform	4.02	83	122315	21.725	ug/l	96
31) Cyclohexane	3.85	56	75362	23.001	ug/l	95
32) 1,1,1-Trichloroethane	4.26	97	123870	26.439	ug/l	91
36) 1,1-Dichloropropene	4.43	75	85867	23.776	ug/l	96
37) Ethyl Acetate	4.27	43	20445	14.783	ug/l #	3
38) Carbon Tetrachloride	4.15	117	115680	26.314	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	87409	24.688	ug/l	96
40) Benzene	4.79	78	163788	22.845	ug/l	99
41) Methacrylonitrile	4.91	41	12027	16.401	ug/l	94
42) 1,2-Dichloroethane	5.09	62	67459	19.722	ug/l	99
43) Isopropyl Acetate	7.10	43	26688	15.968	ug/l #	94
44) Trichloroethene	5.66	130	51731	22.487	ug/l	94
45) 1,2-Dichloropropane	6.38	63	39050	20.452	ug/l	98
46) Dibromomethane	6.23	93	26671	17.374	ug/l #	88
47) Bromodichloromethane	6.52	83	76318	20.073	ug/l #	97
48) Methyl methacrylate	6.85	41	17750	14.795	ug/l #	87
49) 1,4-Dioxane	6.84	88	3043	294.170	ug/l #	93
51) 4-Methyl-2-Pentanone	8.39	43	83390	70.092	ug/l	98
52) Toluene	7.76	92	103302	21.213	ug/l	92
53) t-1,3-Dichloropropene	8.41	75	58990	19.798	ug/l	95
54) cis-1,3-Dichloropropene	7.44	75	66342	19.051	ug/l	97
55) 1,1,2-Trichloroethane	8.62	97	24183	15.667	ug/l	90
56) Ethyl methacrylate	8.74	69	24740	14.105	ug/l #	83
57) 1,3-Dichloropropane	8.98	76	45888	17.573	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.76	63	18920	105.602	ug/l	100
59) 2-Hexanone	9.61	43	62302m	71.394	ug/l	
60) Dibromochloromethane	8.84	129	41037	17.657	ug/l	87
61) 1,2-Dibromoethane	9.12	107	29943	17.728	ug/l	98
64) Tetrachloroethene	8.29	164	50610	24.845	ug/l	89
65) Chlorobenzene	9.92	112	114531	21.758	ug/l	90
66) 1,1,1,2-Tetrachloroethane	10.05	131	50541	21.989	ug/l	96
67) Ethyl Benzene	10.01	91	236217	23.601	ug/l	97
68) m/p-Xylenes	10.25	106	162957	47.362	ug/l	89
69) o-Xylene	10.81	106	84531	22.539	ug/l	98
70) Styrene	10.88	104	110505	20.715	ug/l	91
71) Bromoform	10.87	173	18813	15.374	ug/l	100
73) Isopropylbenzene	11.22	105	288327	25.328	ug/l	97
74) N-amyl acetate	11.45	43	31208	11.945	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	11.77	83	36405	17.541	ug/l	95
76) 1,2,3-Trichloropropane	11.87	75	27103	17.738	ug/l	96
77) Bromobenzene	11.58	156	53217	20.913	ug/l	99
78) n-propylbenzene	11.67	91	348684	25.266	ug/l	94
79) 2-Chlorotoluene	11.80	91	191750	23.753	ug/l	95
80) 1,3,5-Trimethylbenzene	11.90	105	250498	25.900	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	12793m	18.888	ug/l	
82) 4-Chlorotoluene	11.98	91	189831	22.982	ug/l	100
83) tert-Butylbenzene	12.20	119	245850	25.772	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	230760	24.058	ug/l	89
85) sec-Butylbenzene	12.38	105	344897	26.193	ug/l	99
86) p-Isopropyltoluene	12.53	119	277782	25.822	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	109063	22.776	ug/l	94
88) 1,4-Dichlorobenzene	12.64	146	101940	21.590	ug/l	97
89) n-Butylbenzene	12.90	91	302947	26.613	ug/l	91
90) Hexachloroethane	12.98	117	65965	23.725	ug/l	85
91) 1,2-Dichlorobenzene	13.01	146	92893	20.247	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.70	75	7173	17.828	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	69976	20.405	ug/l	95
94) Hexachlorobutadiene	14.24	225	64753	27.055	ug/l	85
95) Naphthalene	14.51	128	89939	14.669	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	65250	20.298	ug/l	97

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

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