

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF102618\
 Data File : VF060517.D
 Acq On : 26 Oct 2018 15:35
 Operator : VA/AP
 Sample : VF1026SBS01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1026SBS01

Manual Integrations
 APPROVED

apatel
 10/29/2018 12:12:02 PM

Quant Time: Oct 27 02:15:26 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	194733	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	308358	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	276114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	172468	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	185517	47.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.86%	
35) Dibromofluoromethane	4.28	113	170259	46.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.12%	
50) Toluene-d8	7.70	98	350179	47.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.42%	
62) 4-Bromofluorobenzene	11.51	95	179017	43.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.66%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.00	85	120814	23.427	ug/l	86
3) Chloromethane	1.15	50	55726	22.646	ug/l	97
4) Vinyl Chloride	1.18	62	61843	21.774	ug/l #	86
5) Bromomethane	1.35	94	55451	19.385	ug/l	91
6) Chloroethane	1.42	64	37333	21.205	ug/l #	87
7) Trichlorofluoromethane	1.55	101	176177	19.379	ug/l	97
8) Diethyl Ether	1.70	74	18665	22.014	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.88	101	80744	20.968	ug/l	90
10) Methyl Iodide	1.95	142	114440	21.033	ug/l	92
11) Tert butyl alcohol	2.68	59	21974	116.466	ug/l	96
12) 1,1-Dichloroethene	1.85	96	57523	20.748	ug/l	81
13) Acrolein	2.08	56	16960	98.521	ug/l	100
14) Allyl chloride	2.18	41	97762	22.030	ug/l	90
15) Acrylonitrile	3.07	53	39264	126.022	ug/l #	82
16) Acetone	2.34	43	109309	129.318	ug/l	96
17) Carbon Disulfide	1.89	76	165760	21.821	ug/l	99
18) Methyl Acetate	2.45	43	27745	21.829	ug/l	100
19) Methyl tert-butyl Ether	2.54	73	139458	20.096	ug/l	100
20) Methylene Chloride	2.27	84	56556m	21.863	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	59470	22.487	ug/l	83
22) Diisopropyl ether	2.92	45	178062	22.623	ug/l	97
23) Vinyl Acetate	3.32	43	310714	124.801	ug/l	99
24) 1,1-Dichloroethane	2.99	63	126780	21.122	ug/l	98
25) 2-Butanone	4.50	43	106837	155.436	ug/l	93
26) 2,2-Dichloropropane	3.76	77	80899	20.378	ug/l	93
27) cis-1,2-Dichloroethene	3.62	96	57930	22.948	ug/l	86
28) Bromochloromethane	3.88	49	40769	23.084	ug/l	99
29) Tetrahydrofuran	4.25	42	32710	133.031	ug/l	97
30) Chloroform	4.02	83	148398	21.437	ug/l	91
31) Cyclohexane	3.86	56	74372	25.094	ug/l	97
32) 1,1,1-Trichloroethane	4.27	97	130243	20.379	ug/l	94
36) 1,1-Dichloropropene	4.45	75	86698	18.997	ug/l	95
37) Ethyl Acetate	4.29	43	36291	26.097	ug/l #	42
38) Carbon Tetrachloride	4.16	117	148589	21.516	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	80521	21.619	ug/l #	84
40) Benzene	4.80	78	158806	21.150	ug/l	96
41) Methacrylonitrile	4.91	41	15031	19.643	ug/l #	92
42) 1,2-Dichloroethane	5.11	62	88918	18.320	ug/l	99
43) Isopropyl Acetate	7.11	43	32721	20.804	ug/l #	95
44) Trichloroethene	5.67	130	51757	19.757	ug/l	99
45) 1,2-Dichloropropane	6.39	63	38846	20.431	ug/l	97
46) Dibromomethane	6.24	93	34736	19.468	ug/l #	83
47) Bromodichloromethane	6.54	83	95991	19.177	ug/l	97
48) Methyl methacrylate	6.86	41	22962	19.367	ug/l	87
49) 1,4-Dioxane	6.85	88	4212	412.319	ug/l #	81
51) 4-Methyl-2-Pentanone	8.40	43	119942	97.619	ug/l	98
52) Toluene	7.77	92	101684	20.595	ug/l	90
53) t-1,3-Dichloropropene	8.42	75	68829	18.570	ug/l	96
54) cis-1,3-Dichloropropene	7.44	75	74373	19.479	ug/l	95
55) 1,1,2-Trichloroethane	8.64	97	30142	19.284	ug/l	96
56) Ethyl methacrylate	8.76	69	37325	22.388	ug/l #	83
57) 1,3-Dichloropropane	8.99	76	52671	19.242	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.77	63	23605	102.392	ug/l	100
59) 2-Hexanone	9.62	43	92470	102.298	ug/l	99
60) Dibromochloromethane	8.85	129	55316	18.635	ug/l	91
61) 1,2-Dibromoethane	9.13	107	34731	18.689	ug/l	98
64) Tetrachloroethene	8.30	164	45401	19.505	ug/l	94
65) Chlorobenzene	9.94	112	121413	20.916	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.07	131	57417	19.108	ug/l	93
67) Ethyl Benzene	10.03	91	252664	21.315	ug/l	98
68) m/p-Xylenes	10.26	106	156507	42.056	ug/l	93
69) o-Xylene	10.83	106	85006	20.363	ug/l	98
70) Styrene	10.89	104	128495	22.048	ug/l	93
71) Bromoform	10.88	173	30535	19.098	ug/l	98
73) Isopropylbenzene	11.22	105	290323	21.190	ug/l	99
74) N-amyl acetate	11.46	43	48074	19.759	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.78	83	46252	23.429	ug/l	95
76) 1,2,3-Trichloropropane	11.88	75	35765	20.750	ug/l	93
77) Bromobenzene	11.59	156	61416	21.501	ug/l	84
78) n-propylbenzene	11.68	91	348902	21.783	ug/l	94
79) 2-Chlorotoluene	11.81	91	196013	20.194	ug/l	89
80) 1,3,5-Trimethylbenzene	11.91	105	250270	20.800	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.95	75	16111m	22.222	ug/l	
82) 4-Chlorotoluene	11.99	91	222871	21.731	ug/l	98
83) tert-Butylbenzene	12.21	119	253922	20.892	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	246520	20.669	ug/l	98
85) sec-Butylbenzene	12.38	105	332125	20.362	ug/l	96
86) p-Isopropyltoluene	12.53	119	273146	19.711	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	119344	20.556	ug/l	95
88) 1,4-Dichlorobenzene	12.64	146	119476	21.244	ug/l	95
89) n-Butylbenzene	12.91	91	301707	20.468	ug/l	98
90) Hexachloroethane	12.99	117	74048	20.364	ug/l	93
91) 1,2-Dichlorobenzene	13.01	146	116138	20.857	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	10511	20.886	ug/l #	58

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	89799	19.806	ug/l	97
94) Hexachlorobutadiene	14.26	225	64107	18.905	ug/l	94
95) Naphthalene	14.52	128	136056	19.026	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	85154	20.419	ug/l	88

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

