

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF102618\
 Data File : VF060518.D
 Acq On : 26 Oct 2018 16:03
 Operator : VA/AP
 Sample : VF1026SBS01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1026SBS01

Manual Integrations
 APPROVED

apatel
 10/29/2018 12:12:05 PM

Quant Time: Oct 27 02:19:28 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	179612	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.77	114	256382	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	257215	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	161015	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	168390	47.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.34%	
35) Dibromofluoromethane	4.29	113	166229	54.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.18%	
50) Toluene-d8	7.71	98	306103	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
62) 4-Bromofluorobenzene	11.50	95	172510	50.22	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	112738	23.766	ug/l	95
3) Chloromethane	1.13	50	53375	23.517	ug/l #	81
4) Vinyl Chloride	1.18	62	60891	23.244	ug/l	92
5) Bromomethane	1.35	94	54511	20.661	ug/l	96
6) Chloroethane	1.43	64	37521	23.106	ug/l	100
7) Trichlorofluoromethane	1.54	101	170658	20.352	ug/l	94
8) Diethyl Ether	1.70	74	17434	22.293	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.89	101	70994	19.988	ug/l	96
10) Methyl Iodide	1.97	142	112531m	22.424	ug/l	
11) Tert butyl alcohol	2.68	59	18862	107.544	ug/l	96
12) 1,1-Dichloroethene	1.85	96	51953	20.317	ug/l	88
13) Acrolein	2.09	56	15946	100.429	ug/l	98
14) Allyl chloride	2.19	41	84609	20.671	ug/l	91
15) Acrylonitrile	3.07	53	33556	116.769	ug/l #	79
16) Acetone	2.34	43	106330	138.124	ug/l	95
17) Carbon Disulfide	1.87	76	160155	22.859	ug/l	96
18) Methyl Acetate	2.44	43	22408	19.114	ug/l #	90
19) Methyl tert-butyl Ether	2.53	73	136486	21.324	ug/l	93
20) Methylene Chloride	2.28	84	51028m	21.295	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	54209	22.223	ug/l	96
22) Diisopropyl ether	2.92	45	159650	21.991	ug/l #	96
23) Vinyl Acetate	3.33	43	270353	117.732	ug/l	100
24) 1,1-Dichloroethane	3.00	63	114854	20.746	ug/l #	94
25) 2-Butanone	4.50	43	99717	157.291	ug/l	100
26) 2,2-Dichloropropane	3.75	77	75045	20.495	ug/l	92
27) cis-1,2-Dichloroethene	3.63	96	53765	23.091	ug/l	84
28) Bromochloromethane	3.88	49	34819	21.375	ug/l	92
29) Tetrahydrofuran	4.26	42	28590	125.650	ug/l	98
30) Chloroform	4.03	83	130912	20.503	ug/l	93
31) Cyclohexane	3.85	56	66510	24.331	ug/l	97
32) 1,1,1-Trichloroethane	4.27	97	126975	21.540	ug/l	98
36) 1,1-Dichloropropene	4.45	75	87958	23.180	ug/l	93
37) Ethyl Acetate	4.29	43	34738	31.044	ug/l #	76
38) Carbon Tetrachloride	4.16	117	140249	24.425	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.62	83	77498	25.026	ug/l	84
40) Benzene	4.80	78	148260	23.748	ug/l #	90
41) Methacrylonitrile	4.92	41	16725	26.287	ug/l	90
42) 1,2-Dichloroethane	5.12	62	87032	21.567	ug/l	100
43) Isopropyl Acetate	7.11	43	30556	23.366	ug/l	98
44) Trichloroethene	5.68	130	48828	22.418	ug/l	98
45) 1,2-Dichloropropane	6.41	63	33553	21.224	ug/l	90
46) Dibromomethane	6.25	93	31315	21.109	ug/l	93
47) Bromodichloromethane	6.54	83	91215	21.917	ug/l	94
48) Methyl methacrylate	6.87	41	20259	20.551	ug/l	87
49) 1,4-Dioxane	6.86	88	4041	475.775	ug/l	89
51) 4-Methyl-2-Pentanone	8.40	43	120383	117.841	ug/l	94
52) Toluene	7.78	92	93959	22.888	ug/l	98
53) t-1,3-Dichloropropene	8.43	75	63825	20.711	ug/l	94
54) cis-1,3-Dichloropropene	7.45	75	70280	22.139	ug/l	95
55) 1,1,2-Trichloroethane	8.64	97	28256	21.742	ug/l	89
56) Ethyl methacrylate	8.75	69	33519	24.181	ug/l #	82
57) 1,3-Dichloropropane	9.00	76	49133	21.588	ug/l	89
58) 2-Chloroethyl Vinyl ether	7.78	63	21363	111.453	ug/l	100
59) 2-Hexanone	9.63	43	96985	136.153	ug/l	96
60) Dibromochloromethane	8.86	129	53079	21.506	ug/l	85
61) 1,2-Dibromoethane	9.14	107	33780	21.862	ug/l	91
64) Tetrachloroethene	8.31	164	45947	21.190	ug/l	92
65) Chlorobenzene	9.94	112	111936	20.700	ug/l #	88
66) 1,1,1,2-Tetrachloroethane	10.06	131	57690	20.610	ug/l	98
67) Ethyl Benzene	10.03	91	228392	20.683	ug/l	97
68) m/p-Xylenes	10.26	106	145277	41.907	ug/l	99
69) o-Xylene	10.82	106	84474	21.723	ug/l	94
70) Styrene	10.90	104	118171	21.767	ug/l	99
71) Bromoform	10.88	173	29800	20.008	ug/l	98
73) Isopropylbenzene	11.23	105	287617	22.486	ug/l	100
74) N-amyl acetate	11.46	43	59612	26.244	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.79	83	43465	23.584	ug/l	88
76) 1,2,3-Trichloropropane	11.88	75	33903	21.069	ug/l	82
77) Bromobenzene	11.59	156	58309	21.866	ug/l	93
78) n-propylbenzene	11.69	91	346556	23.175	ug/l	98
79) 2-Chlorotoluene	11.81	91	206880	22.829	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	248861	22.154	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.96	75	14846m	21.934	ug/l	
82) 4-Chlorotoluene	11.99	91	207293	21.650	ug/l	98
83) tert-Butylbenzene	12.21	119	246184	21.696	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	238603	21.429	ug/l	99
85) sec-Butylbenzene	12.39	105	325223	21.357	ug/l	100
86) p-Isopropyltoluene	12.54	119	279080	21.572	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	115652	21.337	ug/l	93
88) 1,4-Dichlorobenzene	12.65	146	113584	21.633	ug/l	98
89) n-Butylbenzene	12.92	91	290404	21.102	ug/l	95
90) Hexachloroethane	12.99	117	73919	21.775	ug/l	94
91) 1,2-Dichlorobenzene	13.02	146	111062	21.364	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	10815	23.019	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	86764	20.498	ug/l	96
94) Hexachlorobutadiene	14.25	225	65858	20.803	ug/l	97
95) Naphthalene	14.52	128	152369	22.823	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	86522	22.223	ug/l	95

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

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