

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082818\
 Data File : VF060161.D
 Acq On : 28 Aug 2018 20:25
 Operator : VA/AP
 Sample : VF0828SBS01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0828SBS01

Manual Integrations
 APPROVED

apatel
 8/29/2018 11:03:47 AM

Quant Time: Aug 29 04:49:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	97044	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	119810	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	107152	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	55917	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	36811	27.72	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	55.44%	
35) Dibromofluoromethane	4.28	113	40919	43.49	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	86.98%	
50) Toluene-d8	7.70	98	124750	46.69	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	93.38%	
62) 4-Bromofluorobenzene	11.51	95	53565	37.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.80%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	34389	26.92	ug/l	93
3) Chloromethane	1.08	50	14771	15.24	ug/l	100
4) Vinyl Chloride	1.13	62	14379	18.13	ug/l	95
5) Bromomethane	1.32	94	8005	13.28	ug/l	99
6) Chloroethane	1.40	64	10868	34.76	ug/l	91
7) Trichlorofluoromethane	1.48	101	68546	42.97	ug/l	92
8) Diethyl Ether	1.70	74	3751	13.15	ug/l	49
9) 1,1,2-Trichlorotrifluoroet	1.86	101	30427	36.34	ug/l	93
10) Methyl Iodide	1.93	142	18548	16.75	ug/l	96
11) Tert butyl alcohol	2.62	59	1684	23.83	ug/l #	80
12) 1,1-Dichloroethene	1.83	96	20816	33.74	ug/l	97
13) Acrolein	2.08	56	782	42.53	ug/l #	72
14) Allyl chloride	2.18	41	17848	16.29	ug/l #	93
15) Acrylonitrile	3.05	53	4345	31.16	ug/l #	81
16) Acetone	2.31	43	10501	30.08	ug/l	94
17) Carbon Disulfide	1.85	76	57673	29.86	ug/l	95
18) Methyl Acetate	2.43	43	4730m	4.16	ug/l	
19) Methyl tert-butyl Ether	2.51	73	19466	9.85	ug/l	98
20) Methylene Chloride	2.28	84	13014	15.38	ug/l	87
21) trans-1,2-Dichloroethene	2.41	96	18055	26.16	ug/l	92
22) Diisopropyl ether	2.89	45	32342	13.18	ug/l #	89
23) Vinyl Acetate	3.31	43	47139	36.27	ug/l #	91
24) 1,1-Dichloroethane	2.99	63	31950	21.08	ug/l	96
25) 2-Butanone	4.47	43	10363m	22.86	ug/l	
26) 2,2-Dichloropropane	3.75	77	19933	12.71	ug/l	97
27) cis-1,2-Dichloroethene	3.62	96	13424	13.72	ug/l	91
28) Bromochloromethane	3.87	49	7808	12.20	ug/l #	75
29) Tetrahydrofuran	4.22	42	4941	28.86	ug/l	92
30) Chloroform	4.02	83	36758	17.28	ug/l	96
31) Cyclohexane	3.86	56	26789	23.20	ug/l	98
32) 1,1,1-Trichloroethane	4.26	97	46736	25.65	ug/l	90
36) 1,1-Dichloropropene	4.45	75	32409	28.78	ug/l	96
37) Ethyl Acetate	4.26	43	5797	8.61	ug/l #	1
38) Carbon Tetrachloride	4.16	117	43331m	33.24	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	31253	29.60	ug/l	91
40) Benzene	4.79	78	49338	20.06	ug/l	97
41) Methacrylonitrile	4.88	41	2941	8.64	ug/l #	67
42) 1,2-Dichloroethane	5.10	62	19603	14.86	ug/l	98
43) Isopropyl Acetate	7.09	43	6928	8.17	ug/l #	91
44) Trichloroethene	5.66	130	20223	24.87	ug/l	87
45) 1,2-Dichloropropane	6.39	63	10436	15.00	ug/l	96
46) Dibromomethane	6.24	93	6351	11.67	ug/l #	87
47) Bromodichloromethane	6.54	83	21989	16.72	ug/l	93
48) Methyl methacrylate	6.85	41	5029	8.97	ug/l	90
49) 1,4-Dioxane	6.83	88	794	147.48	ug/l #	47
51) 4-Methyl-2-Pentanone	8.39	43	30697	41.94	ug/l	89
52) Toluene	7.77	92	39306	22.11	ug/l	97
53) t-1,3-Dichloropropene	8.41	75	13544	11.36	ug/l	95
54) cis-1,3-Dichloropropene	7.45	75	16351	12.29	ug/l	93
55) 1,1,2-Trichloroethane	8.63	97	7927	11.94	ug/l #	82
56) Ethyl methacrylate	8.75	69	6875	8.56	ug/l	94
57) 1,3-Dichloropropane	8.99	76	13537	11.61	ug/l #	88
58) 2-Chloroethyl Vinyl ether	7.77	63	7807	122.44	ug/l	100
59) 2-Hexanone	9.62	43	21581	36.43	ug/l	98
60) Dibromochloromethane	8.85	129	12430	12.69	ug/l	91
61) 1,2-Dibromoethane	9.13	107	8233	10.56	ug/l #	78
64) Tetrachloroethene	8.30	164	24576	34.05	ug/l	88
65) Chlorobenzene	9.93	112	46267	22.87	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.06	131	15906	20.73	ug/l	92
67) Ethyl Benzene	10.04	91	99543	28.51	ug/l	97
68) m/p-Xylenes	10.26	106	70380	57.68	ug/l	93
69) o-Xylene	10.83	106	33204	24.28	ug/l	88
70) Styrene	10.90	104	43691	20.82	ug/l	89
71) Bromoform	10.89	173	6548	12.23	ug/l	80
73) Isopropylbenzene	11.22	105	117077	34.78	ug/l	94
74) N-amyl acetate	11.46	43	10373	9.91	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.78	83	9485	12.90	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	8443	14.81	ug/l	100
77) Bromobenzene	11.59	156	20707	22.62	ug/l	98
78) n-propylbenzene	11.68	91	147851	35.59	ug/l	99
79) 2-Chlorotoluene	11.81	91	72575	29.71	ug/l	94
80) 1,3,5-Trimethylbenzene	11.91	105	97631	33.29	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	2910m	11.16	ug/l	
82) 4-Chlorotoluene	11.98	91	74648	28.15	ug/l	94
83) tert-Butylbenzene	12.21	119	97894	34.23	ug/l	81
84) 1,2,4-Trimethylbenzene	12.29	105	89577	28.73	ug/l	95
85) sec-Butylbenzene	12.38	105	145377	36.51	ug/l	99
86) p-Isopropyltoluene	12.53	119	114959	34.80	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	41508	24.52	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	40635	24.16	ug/l	95
89) n-Butylbenzene	12.92	91	102881	32.06	ug/l	99
90) Hexachloroethane	12.99	117	24866	33.50	ug/l	94
91) 1,2-Dichlorobenzene	13.01	146	34407	21.14	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.70	75	2058	13.70	ug/l	53

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	19616	16.37	ug/l	97
94) Hexachlorobutadiene	14.26	225	27630	37.04	ug/l	93
95) Naphthalene	14.52	128	14301	8.85	ug/l #	97
96) 1,2,3-Trichlorobenzene	14.66	180	16509	14.44	ug/l	88

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

