

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080218\
 Data File : VF059824.D
 Acq On : 3 Aug 2018 3:58
 Operator : VA/AP
 Sample : VF0802SBSD02
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBSD02

Manual Integrations
 APPROVED

apatel
 8/3/2018 4:03:03 PM

Quant Time: Aug 03 08:13:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 15:23:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	171926	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	254551	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	242565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	159352	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	169829	54.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.92%	
35) Dibromofluoromethane	4.29	113	134613	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
50) Toluene-d8	7.71	98	315007	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	
62) 4-Bromofluorobenzene	11.51	95	174357	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	0.99	85	55758	26.16	ug/l	99
3) Chloromethane	1.08	50	29362	27.16	ug/l	96
4) Vinyl Chloride	1.15	62	30189	26.60	ug/l	95
5) Bromomethane	1.33	94	24565	26.06	ug/l	90
6) Chloroethane	1.41	64	15988	22.25	ug/l	89
7) Trichlorofluoromethane	1.53	101	70366m	21.92	ug/l	
8) Diethyl Ether	1.70	74	12825	23.36	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	1.89	101	43346	25.78	ug/l	95
10) Methyl Iodide	1.95	142	66150	26.13	ug/l #	96
11) Tert butyl alcohol	2.70	59	14271	113.75	ug/l	98
12) 1,1-Dichloroethene	1.85	96	33975	25.52	ug/l	77
13) Acrolein	2.10	56	5632	96.82	ug/l #	68
14) Allyl chloride	2.19	41	54829	25.79	ug/l	85
15) Acrylonitrile	3.07	53	26418	132.36	ug/l #	85
16) Acetone	2.35	43	53590	96.42	ug/l	100
17) Carbon Disulfide	1.88	76	76486	25.36	ug/l #	90
18) Methyl Acetate	2.45	43	32596	36.44	ug/l	94
19) Methyl tert-butyl Ether	2.54	73	95078	23.42	ug/l	97
20) Methylene Chloride	2.28	84	34942	25.33	ug/l	89
21) trans-1,2-Dichloroethene	2.41	96	32266	26.48	ug/l	90
22) Diisopropyl ether	2.93	45	109589	24.38	ug/l #	95
23) Vinyl Acetate	3.33	43	253604	109.73	ug/l #	97
24) 1,1-Dichloroethane	3.00	63	72860	23.33	ug/l	97
25) 2-Butanone	4.50	43	66092	106.56	ug/l #	89
26) 2,2-Dichloropropane	3.75	77	46328	20.81	ug/l	100
27) cis-1,2-Dichloroethene	3.64	96	37622	22.50	ug/l	100
28) Bromochloromethane	3.88	49	26803	22.08	ug/l #	80
29) Tetrahydrofuran	4.25	42	31344	131.48	ug/l	95
30) Chloroform	4.03	83	104557	23.72	ug/l	94
31) Cyclohexane	3.85	56	42767	26.30	ug/l	94
32) 1,1,1-Trichloroethane	4.27	97	81133	23.73	ug/l	92
36) 1,1-Dichloropropene	4.45	75	59079	20.60	ug/l	98
37) Ethyl Acetate	4.29	43	33320	23.80	ug/l #	81
38) Carbon Tetrachloride	4.16	117	88874	21.96	ug/l #	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	51124	23.74	ug/l	98
40) Benzene	4.81	78	118578	23.07	ug/l	97
41) Methacrylonitrile	4.92	41	15529	22.70	ug/l	95
42) 1,2-Dichloroethane	5.12	62	79673	22.15	ug/l	99
43) Isopropyl Acetate	7.11	43	33059	21.72	ug/l #	89
44) Trichloroethene	5.67	130	45002	23.29	ug/l	87
45) 1,2-Dichloropropane	6.40	63	32575	24.00	ug/l	92
46) Dibromomethane	6.25	93	28678	22.25	ug/l	95
47) Bromodichloromethane	6.54	83	75868	21.62	ug/l	95
48) Methyl methacrylate	6.87	41	22951	20.05	ug/l	90
49) 1,4-Dioxane	6.87	88	3698	487.16	ug/l #	86
51) 4-Methyl-2-Pentanone	8.41	43	135650	117.16	ug/l	94
52) Toluene	7.78	92	87897	24.33	ug/l	93
53) t-1,3-Dichloropropene	8.43	75	64753	21.26	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	61630	20.89	ug/l #	95
55) 1,1,2-Trichloroethane	8.63	97	30052	21.59	ug/l	89
56) Ethyl methacrylate	8.76	69	32565	22.43	ug/l	95
57) 1,3-Dichloropropane	9.00	76	56468	23.64	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.78	63	18143	108.23	ug/l	100
59) 2-Hexanone	9.63	43	100178	107.97	ug/l	92
60) Dibromochloromethane	8.86	129	53123	21.62	ug/l	92
61) 1,2-Dibromoethane	9.14	107	36017	22.15	ug/l	96
64) Tetrachloroethene	8.30	164	47948	27.27	ug/l	93
65) Chlorobenzene	9.94	112	115040	23.71	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	51159	22.58	ug/l	98
67) Ethyl Benzene	10.03	91	194947	23.22	ug/l	98
68) m/p-Xylenes	10.27	106	137721	48.44	ug/l	99
69) o-Xylene	10.82	106	72195	23.34	ug/l	93
70) Styrene	10.90	104	115195	24.58	ug/l	99
71) Bromoform	10.89	173	35960	24.36	ug/l	99
73) Isopropylbenzene	11.23	105	253859	24.28	ug/l	97
74) N-amyl acetate	11.46	43	59237	22.46	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	48551	24.67	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	39877	23.83	ug/l	98
77) Bromobenzene	11.59	156	62093	22.74	ug/l	99
78) n-propylbenzene	11.69	91	284196	23.90	ug/l	99
79) 2-Chlorotoluene	11.81	91	174432	23.54	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	219890	23.98	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.96	75	15210m	21.94	ug/l	
82) 4-Chlorotoluene	11.99	91	185827	23.68	ug/l	97
83) tert-Butylbenzene	12.21	119	214376	22.84	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	217896	23.49	ug/l	98
85) sec-Butylbenzene	12.39	105	285121	23.88	ug/l	97
86) p-Isopropyltoluene	12.54	119	244928	23.32	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	116236	22.91	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	113704	22.98	ug/l	98
89) n-Butylbenzene	12.91	91	226532	22.47	ug/l	94
90) Hexachloroethane	12.99	117	62342	23.64	ug/l	99
91) 1,2-Dichlorobenzene	13.02	146	115603	24.26	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	10701	22.24	ug/l	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	88836	23.01	µg/l	95
94) Hexachlorobutadiene	14.25	225	57717	22.08	µg/l	98
95) Naphthalene	14.52	128	162656	23.67	µg/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	83384	21.96	µg/l	99

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

