

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072418\
 Data File : VF059644.D
 Acq On : 24 Jul 2018 21:40
 Operator : VA/AP
 Sample : VF0724SBS01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 94 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0724SBS01

Manual Integrations
 APPROVED

apatel
 7/25/2018 2:34:07 PM

Quant Time: Jul 25 05:28:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 02:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	225794	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	311263	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	287303	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	185817	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	152121	48.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.70%	
35) Dibromofluoromethane	4.28	113	145732	52.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.04%	
50) Toluene-d8	7.70	98	355992	52.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.28%	
62) 4-Bromofluorobenzene	11.50	95	173674	49.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	56763	21.474	ug/l	97
3) Chloromethane	1.08	50	34129	24.977	ug/l	95
4) Vinyl Chloride	1.15	62	34436	23.593	ug/l	92
5) Bromomethane	1.33	94	28092	25.146	ug/l	95
6) Chloroethane	1.41	64	21059	23.992	ug/l	94
7) Trichlorofluoromethane	1.48	101	94196m	23.781	ug/l	
8) Diethyl Ether	1.69	74	12208	22.135	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	1.88	101	51410	25.192	ug/l	92
10) Methyl Iodide	1.92	142	75955	23.282	ug/l	91
11) Tert butyl alcohol	2.67	59	11739	100.194	ug/l	97
12) 1,1-Dichloroethene	1.83	96	36694	23.823	ug/l	99
13) Acrolein	2.08	56	3896	67.823	ug/l	94
14) Allyl chloride	2.18	41	62385	23.297	ug/l	92
15) Acrylonitrile	3.05	53	20731	102.797	ug/l	95
16) Acetone	2.32	43	35631	72.159	ug/l	95
17) Carbon Disulfide	1.83	76	103010	26.252	ug/l	97
18) Methyl Acetate	2.44	43	15002	17.662	ug/l	96
19) Methyl tert-butyl Ether	2.52	73	83329	20.461	ug/l	99
20) Methylene Chloride	2.27	84	32293	21.436	ug/l	97
21) trans-1,2-Dichloroethene	2.40	96	37972	23.405	ug/l	89
22) Diisopropyl ether	2.92	45	111076	21.626	ug/l	97
23) Vinyl Acetate	3.32	43	244157	103.045	ug/l	99
24) 1,1-Dichloroethane	2.99	63	81584	22.329	ug/l	98
25) 2-Butanone	4.49	43	54584	92.410	ug/l	98
26) 2,2-Dichloropropane	3.74	77	67564	23.062	ug/l	92
27) cis-1,2-Dichloroethene	3.63	96	42990	21.651	ug/l	96
28) Bromochloromethane	3.87	49	27755	20.904	ug/l	91
29) Tetrahydrofuran	4.24	42	22903	95.346	ug/l	94
30) Chloroform	4.02	83	109828	21.666	ug/l	98
31) Cyclohexane	3.84	56	54478	25.615	ug/l #	94
32) 1,1,1-Trichloroethane	4.26	97	99736	23.087	ug/l	93
36) 1,1-Dichloropropene	4.44	75	79386	24.893	ug/l	97
37) Ethyl Acetate	4.28	43	26048	21.234	ug/l	92
38) Carbon Tetrachloride	4.16	117	105874	24.058	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	66406	25.674	ug/l	92
40) Benzene	4.79	78	142944	24.231	ug/l	94
41) Methacrylonitrile	4.90	41	11741	19.683	ug/l #	85
42) 1,2-Dichloroethane	5.10	62	70411	20.143	ug/l	97
43) Isopropyl Acetate	7.11	43	26085	18.598	ug/l #	93
44) Trichloroethene	5.66	130	51106	23.471	ug/l	81
45) 1,2-Dichloropropane	6.39	63	31762	21.266	ug/l	98
46) Dibromomethane	6.25	93	27504	21.801	ug/l	92
47) Bromodichloromethane	6.53	83	76783	20.816	ug/l #	95
48) Methyl methacrylate	6.86	41	19432	18.821	ug/l	90
49) 1,4-Dioxane	6.85	88	3293	414.468	ug/l #	92
51) 4-Methyl-2-Pentanone	8.40	43	103722	100.619	ug/l	99
52) Toluene	7.77	92	92712	22.321	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	55774	18.975	ug/l	89
54) cis-1,3-Dichloropropene	7.44	75	64312	20.699	ug/l	93
55) 1,1,2-Trichloroethane	8.62	97	25910	19.699	ug/l #	89
56) Ethyl methacrylate	8.75	69	26825	19.079	ug/l	94
57) 1,3-Dichloropropane	8.99	76	46576	20.683	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.77	63	19198	106.376	ug/l	100
59) 2-Hexanone	9.62	43	75383	95.760	ug/l	92
60) Dibromochloromethane	8.85	129	47314	19.455	ug/l	96
61) 1,2-Dibromoethane	9.13	107	31186	19.417	ug/l	92
64) Tetrachloroethene	8.30	164	57696	25.343	ug/l	96
65) Chlorobenzene	9.92	112	121104	22.752	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.06	131	54417	22.054	ug/l	96
67) Ethyl Benzene	10.03	91	227075	23.740	ug/l	95
68) m/p-Xylenes	10.26	106	157285	46.022	ug/l	96
69) o-Xylene	10.82	106	82470	22.669	ug/l	99
70) Styrene	10.89	104	111472	21.217	ug/l	95
71) Bromoform	10.88	173	27850	20.049	ug/l	90
73) Isopropylbenzene	11.22	105	276618	23.686	ug/l	98
74) N-amyl acetate	11.45	43	53655	21.427	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.78	83	37338	21.112	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	30322	20.757	ug/l	93
77) Bromobenzene	11.59	156	61546	21.542	ug/l	92
78) n-propylbenzene	11.68	91	333030	23.957	ug/l	99
79) 2-Chlorotoluene	11.81	91	192475	23.006	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	244817	23.596	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	18447	20.516	ug/l	92
82) 4-Chlorotoluene	11.98	91	197101	22.077	ug/l	99
83) tert-Butylbenzene	12.21	119	242509	23.184	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	243877	22.902	ug/l	100
85) sec-Butylbenzene	12.38	105	326949	23.444	ug/l	97
86) p-Isopropyltoluene	12.54	119	284379	23.424	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	143142	25.976	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	117648	21.240	ug/l	94
89) n-Butylbenzene	12.91	91	284890	24.155	ug/l	98
90) Hexachloroethane	12.99	117	68526	23.138	ug/l #	1
91) 1,2-Dichlorobenzene	13.01	146	120770	22.622	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	8194	17.968	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	94979	21.832	ug/l	94
94) Hexachlorobutadiene	14.25	225	70387	22.822	ug/l	95
95) Naphthalene	14.52	128	133560	20.190	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	84061	22.287	ug/l	94

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

