

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041619\
 Data File : VF062185.D
 Acq On : 16 Apr 2019 19:39
 Operator : FY/SY
 Sample : VF0416SBS01
 Misc : 5.00u/5mL/MSVOA F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0416SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 11:49:31 AM

Quant Time: Apr 17 08:36:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F041619S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 07:56:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	400826	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	620129	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	498443	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	271967	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	190397	52.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.50%	
35) Dibromofluoromethane	4.31	113	249742	51.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.10%	
50) Toluene-d8	7.71	98	667605	46.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.40%	
62) 4-Bromofluorobenzene	11.49	95	279495	49.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.02%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.01	85	142701	24.265	ug/l	98
3) Chloromethane	1.14	50	145057	22.919	ug/l	97
4) Vinyl Chloride	1.19	62	131797	23.802	ug/l	99
5) Bromomethane	1.36	94	66204	18.592	ug/l	98
6) Chloroethane	1.43	64	49991	19.068	ug/l	98
7) Trichlorofluoromethane	1.55	101	150588	22.738	ug/l	99
8) Diethyl Ether	1.71	74	34170	25.559	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.89	101	106173	24.546	ug/l	94
10) Methyl Iodide	1.97	142	196980	24.464	ug/l	98
11) Tert butyl alcohol	2.69	59	23672	118.318	ug/l	98
12) 1,1-Dichloroethene	1.86	96	100248	22.788	ug/l	97
13) Acrolein	2.10	56	17536	111.269	ug/l #	80
14) Allyl chloride	2.20	41	172850	26.095	ug/l	98
15) Acrylonitrile	3.09	53	81336	109.410	ug/l	98
16) Acetone	2.35	43	85881	105.529	ug/l	96
17) Carbon Disulfide	1.91	76	295285	23.696	ug/l	98
18) Methyl Acetate	2.45	43	44210	22.001	ug/l	92
19) Methyl tert-butyl Ether	2.54	73	177639	24.277	ug/l	98
20) Methylene Chloride	2.29	84	123918	29.545	ug/l	97
21) trans-1,2-Dichloroethene	2.42	96	98144	23.318	ug/l	97
22) Diisopropyl ether	2.94	45	307542	24.978	ug/l	98
23) Vinyl Acetate	3.34	43	695471	113.237	ug/l	99
24) 1,1-Dichloroethane	3.01	63	170484	24.864	ug/l	99
25) 2-Butanone	4.52	43	182241	104.247	ug/l	99
26) 2,2-Dichloropropane	3.78	77	90849	25.191	ug/l	96
27) cis-1,2-Dichloroethene	3.65	96	127209	22.769	ug/l	97
28) Bromochloromethane	3.90	49	70345	21.425	ug/l	92
29) Tetrahydrofuran	4.27	42	84387	108.532	ug/l	97
30) Chloroform	4.05	83	200436	23.513	ug/l	97
31) Cyclohexane	3.88	56	193436	21.837	ug/l	98
32) 1,1,1-Trichloroethane	4.29	97	156664	26.952	ug/l	99
36) 1,1-Dichloropropene	4.48	75	155867	22.622	ug/l	99
37) Ethyl Acetate	4.30	43	67878	21.380	ug/l #	80
38) Carbon Tetrachloride	4.19	117	141297m	23.826	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	196597	22.769	ug/l	98
40) Benzene	4.82	78	408137	22.425	ug/l	98
41) Methacrylonitrile	4.93	41	40641	21.305	ug/l	96
42) 1,2-Dichloroethane	5.13	62	99930	21.694	ug/l	99
43) Isopropyl Acetate	7.12	43	75756	20.653	ug/l #	96
44) Trichloroethene	5.69	130	107788	22.127	ug/l	94
45) 1,2-Dichloropropane	6.41	63	97502	21.837	ug/l	99
46) Dibromomethane	6.26	93	58455	21.711	ug/l	94
47) Bromodichloromethane	6.56	83	133653	21.912	ug/l	97
48) Methyl methacrylate	6.88	41	53516	22.283	ug/l	95
49) 1,4-Dioxane	6.88	88	9331	498.584	ug/l #	87
51) 4-Methyl-2-Pentanone	8.40	43	281916	99.738	ug/l	98
52) Toluene	7.78	92	221171	20.686	ug/l	90
53) t-1,3-Dichloropropene	8.43	75	105432	19.955	ug/l	98
54) cis-1,3-Dichloropropene	7.46	75	141829	21.111	ug/l	99
55) 1,1,2-Trichloroethane	8.64	97	61431	20.061	ug/l	93
56) Ethyl methacrylate	8.75	69	75759	20.806	ug/l	97
57) 1,3-Dichloropropane	9.00	76	101016	20.066	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.45	63	88599	94.437	ug/l	98
59) 2-Hexanone	9.62	43	192091	106.931	ug/l	94
60) Dibromochloromethane	8.86	129	81372	19.313	ug/l	98
61) 1,2-Dibromoethane	9.13	107	69368	21.174	ug/l	92
64) Tetrachloroethene	8.31	164	89636	22.018	ug/l	96
65) Chlorobenzene	9.94	112	227866	21.976	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.06	131	102593	23.966	ug/l	98
67) Ethyl Benzene	10.03	91	433236	22.540	ug/l	98
68) m/p-Xylenes	10.26	106	322931	45.641	ug/l	95
69) o-Xylene	10.81	106	176508	23.041	ug/l	91
70) Styrene	10.89	104	253067	22.716	ug/l	99
71) Bromoform	10.88	173	53288	23.770	ug/l #	94
73) Isopropylbenzene	11.22	105	506407	21.614	ug/l	99
74) N-amyl acetate	11.44	43	124517	20.740	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	85339	20.447	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	57422	20.287	ug/l	97
77) Bromobenzene	11.58	156	103256	21.191	ug/l	84
78) n-propylbenzene	11.67	91	568976	21.364	ug/l	94
79) 2-Chlorotoluene	11.80	91	336052	21.407	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	418459	21.414	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.94	75	29695m	20.976	ug/l	
82) 4-Chlorotoluene	11.98	91	328916	21.380	ug/l	98
83) tert-Butylbenzene	12.19	119	431610	22.243	ug/l	96
84) 1,2,4-Trimethylbenzene	12.27	105	406908	21.456	ug/l	95
85) sec-Butylbenzene	12.37	105	564907	22.140	ug/l	98
86) p-Isopropyltoluene	12.52	119	477872	21.984	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	198767	22.296	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	189235	21.771	ug/l	97
89) n-Butylbenzene	12.89	91	482493	20.982	ug/l	94
90) Hexachloroethane	12.97	117	116388	21.859	ug/l	90
91) 1,2-Dichlorobenzene	13.00	146	186431	21.791	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.69	75	16301	21.685	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	148610	23.128	µg/l	96
94) Hexachlorobutadiene	14.22	225	100542	24.010	µg/l	97
95) Naphthalene	14.49	128	242254	21.580	µg/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	136876	22.864	µg/l	98

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

