

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF050919\
 Data File : VF062395.D
 Acq On : 9 May 2019 14:58
 Operator : FY/SY
 Sample : VF0509SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0509SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 11:03:35 AM

Quant Time: May 10 02:21:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	325061	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	416703	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	351834	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	229728	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	161675	52.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.26%	
35) Dibromofluoromethane	4.30	113	172771	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	
50) Toluene-d8	7.70	98	418555	52.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.16%	
62) 4-Bromofluorobenzene	11.48	95	192860	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	84704	22.515	ug/l	96
3) Chloromethane	1.13	50	48974	19.738	ug/l	96
4) Vinyl Chloride	1.18	62	48385	19.551	ug/l	99
5) Bromomethane	1.38	94	44328	22.349	ug/l	99
6) Chloroethane	1.43	64	27972	22.481	ug/l	96
7) Trichlorofluoromethane	1.55	101	118851	23.146	ug/l	96
8) Diethyl Ether	1.71	74	14288	18.390	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.89	101	62438	21.298	ug/l	96
10) Methyl Iodide	1.97	142	108458	22.450	ug/l	98
11) Tert butyl alcohol	2.69	59	16277	93.751	ug/l #	92
12) 1,1-Dichloroethene	1.85	96	49491	19.858	ug/l	87
13) Acrolein	2.09	56	11326	92.212	ug/l	94
14) Allyl chloride	2.19	41	78020	35.439	ug/l	98
15) Acrylonitrile	3.08	53	32919	100.095	ug/l	98
16) Acetone	2.35	43	66167	106.474	ug/l	93
17) Carbon Disulfide	1.90	76	114491	21.069	ug/l	98
18) Methyl Acetate	2.46	43	21067	16.490	ug/l	94
19) Methyl tert-butyl Ether	2.54	73	106492	20.700	ug/l	98
20) Methylene Chloride	2.32	84	47514	21.133	ug/l	96
21) trans-1,2-Dichloroethene	2.42	96	50206	21.144	ug/l	94
22) Diisopropyl ether	2.93	45	144393	20.985	ug/l	98
23) Vinyl Acetate	3.34	43	308288	100.530	ug/l	100
24) 1,1-Dichloroethane	3.01	63	92620	22.272	ug/l	96
25) 2-Butanone	4.52	43	81430	104.300	ug/l	100
26) 2,2-Dichloropropane	3.77	77	58527	25.202	ug/l	100
27) cis-1,2-Dichloroethene	3.63	96	59079	19.905	ug/l	90
28) Bromochloromethane	3.88	49	35876	19.023	ug/l #	99
29) Tetrahydrofuran	4.26	42	34552	96.294	ug/l	98
30) Chloroform	4.04	83	126109	22.447	ug/l	97
31) Cyclohexane	3.87	56	72908	21.965	ug/l	89
32) 1,1,1-Trichloroethane	4.29	97	116374	24.169	ug/l	97
36) 1,1-Dichloropropene	4.47	75	78451	21.916	ug/l	97
37) Ethyl Acetate	4.29	43	33687	21.124	ug/l #	94
38) Carbon Tetrachloride	4.17	117	108594	28.026	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	76895	21.419	ug/l	95
40) Benzene	4.81	78	173231	21.976	ug/l	94
41) Methacrylonitrile	4.92	41	17698	20.619	ug/l	97
42) 1,2-Dichloroethane	5.12	62	75835	23.003	ug/l	98
43) Isopropyl Acetate	7.11	43	35321	21.693	ug/l #	96
44) Trichloroethene	5.67	130	64142	22.151	ug/l	98
45) 1,2-Dichloropropane	6.40	63	38430	21.524	ug/l	94
46) Dibromomethane	6.25	93	32185	21.742	ug/l	96
47) Bromodichloromethane	6.55	83	81965	22.146	ug/l	99
48) Methyl methacrylate	6.86	41	25021	21.746	ug/l	95
49) 1,4-Dioxane	6.87	88	5154	428.052	ug/l	86
51) 4-Methyl-2-Pentanone	8.39	43	129034	104.587	ug/l	99
52) Toluene	7.77	92	109120	22.440	ug/l	100
53) t-1,3-Dichloropropene	8.41	75	63199	22.577	ug/l	99
54) cis-1,3-Dichloropropene	7.45	75	78033	23.953	ug/l	95
55) 1,1,2-Trichloroethane	8.63	97	35171	22.783	ug/l	96
56) Ethyl methacrylate	8.74	69	34332	21.069	ug/l	97
57) 1,3-Dichloropropane	8.98	76	52438	22.488	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.43	63	51237	104.584	ug/l	96
59) 2-Hexanone	9.61	43	95639	112.086	ug/l	98
60) Dibromochloromethane	8.85	129	55892	22.137	ug/l	99
61) 1,2-Dibromoethane	9.12	107	38669	21.313	ug/l	100
64) Tetrachloroethene	8.29	164	64440	22.561	ug/l	98
65) Chlorobenzene	9.92	112	132165	22.704	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.05	131	67893	23.119	ug/l	97
67) Ethyl Benzene	10.02	91	241341	23.676	ug/l	100
68) m/p-Xylenes	10.25	106	178077	47.347	ug/l	96
69) o-Xylene	10.80	106	100409	24.706	ug/l	97
70) Styrene	10.88	104	143448	23.551	ug/l	99
71) Bromoform	10.86	173	35722	22.203	ug/l #	99
73) Isopropylbenzene	11.21	105	314657	23.104	ug/l	99
74) N-amyl acetate	11.44	43	54375	18.597	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.76	83	44727	20.975	ug/l	98
76) 1,2,3-Trichloropropane	11.86	75	33543	20.618	ug/l #	100
77) Bromobenzene	11.57	156	79266	22.177	ug/l	98
78) n-propylbenzene	11.66	91	324692	22.393	ug/l	98
79) 2-Chlorotoluene	11.79	91	205256	22.765	ug/l	99
80) 1,3,5-Trimethylbenzene	11.89	105	258453	21.651	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.93	75	12621m	20.638	ug/l	
82) 4-Chlorotoluene	11.97	91	202167	22.703	ug/l	99
83) tert-Butylbenzene	12.18	119	289840	23.104	ug/l	94
84) 1,2,4-Trimethylbenzene	12.26	105	265983	22.769	ug/l	100
85) sec-Butylbenzene	12.36	105	342212	22.411	ug/l	100
86) p-Isopropyltoluene	12.51	119	313239	22.079	ug/l	99
87) 1,3-Dichlorobenzene	12.53	146	140961	21.594	ug/l	97
88) 1,4-Dichlorobenzene	12.62	146	140748	22.339	ug/l	99
89) n-Butylbenzene	12.88	91	293540	23.256	ug/l	99
90) Hexachloroethane	12.96	117	75475	21.307	ug/l	94
91) 1,2-Dichlorobenzene	12.99	146	137642	21.784	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.68	75	9373	19.620	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	126482	22.318	ug/l	100
94) Hexachlorobutadiene	14.22	225	97302	23.035	ug/l	95
95) Naphthalene	14.48	128	165426	19.415	ug/l	98
96) 1,2,3-Trichlorobenzene	14.63	180	118960	21.666	ug/l	97

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

