

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051319\
 Data File : VF062563.D
 Acq On : 14 May 2019 2:39
 Operator : FY/SY
 Sample : VF0513SBS02
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0513SBS02

Manual Integrations
 APPROVED

MMDadoda
 5/14/2019 11:05:11 AM

Quant Time: May 14 08:24:51 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	5.08	168	315116	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.80	114	437078	50.00	ug/l	0.03
63) Chlorobenzene-d5	9.93	117	368049	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	240593	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.06	65	143794	48.29	ug/l	0.04
Spiked Amount 50.000			Recovery	=	96.58%	
35) Dibromofluoromethane	4.33	113	162342	46.62	ug/l	0.03
Spiked Amount 50.000			Recovery	=	93.24%	
50) Toluene-d8	7.73	98	371000	44.01	ug/l	0.03
Spiked Amount 50.000			Recovery	=	88.02%	
62) 4-Bromofluorobenzene	11.50	95	175110	46.05	ug/l	0.02
Spiked Amount 50.000			Recovery	=	92.10%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.01	85	86040	23.592	ug/l	100
3) Chloromethane	1.14	50	56978	23.689	ug/l	90
4) Vinyl Chloride	1.19	62	54139	22.566	ug/l	100
5) Bromomethane	1.38	94	47161	24.786	ug/l	97
6) Chloroethane	1.44	64	29366	24.346	ug/l	93
7) Trichlorofluoromethane	1.56	101	125862	25.285	ug/l	96
8) Diethyl Ether	1.72	74	19092	25.348	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	1.91	101	70049	24.649	ug/l	95
10) Methyl Iodide	1.98	142	123282	26.324	ug/l	97
11) Tert butyl alcohol	2.70	59	15493	92.052	ug/l	95
12) 1,1-Dichloroethene	1.87	96	57268	23.704	ug/l	95
13) Acrolein	2.11	56	10875	91.115	ug/l	97
14) Allyl chloride	2.21	41	83830	39.280	ug/l	97
15) Acrylonitrile	3.11	53	39059	122.512	ug/l	95
16) Acetone	2.36	43	57661	95.715	ug/l	95
17) Carbon Disulfide	1.92	76	122997	23.349	ug/l	100
18) Methyl Acetate	2.48	43	30833	26.599	ug/l	97
19) Methyl tert-butyl Ether	2.56	73	115282	23.116	ug/l #	92
20) Methylene Chloride	2.31	84	53541m	24.565	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	55115	23.944	ug/l	94
22) Diisopropyl ether	2.96	45	159554	23.921	ug/l	96
23) Vinyl Acetate	3.36	43	311128	104.658	ug/l	98
24) 1,1-Dichloroethane	3.03	63	105074	26.065	ug/l	96
25) 2-Butanone	4.55	43	85612	113.118	ug/l	96
26) 2,2-Dichloropropane	3.81	77	63319	28.126	ug/l	95
27) cis-1,2-Dichloroethene	3.67	96	70475	24.493	ug/l	96
28) Bromochloromethane	3.92	49	37116	20.301	ug/l	95
29) Tetrahydrofuran	4.29	42	38224	109.889	ug/l	96
30) Chloroform	4.08	83	132670	24.360	ug/l	97
31) Cyclohexane	3.91	56	76071	23.641	ug/l	98
32) 1,1,1-Trichloroethane	4.32	97	119040	25.503	ug/l	98
36) 1,1-Dichloropropene	4.50	75	86431	23.020	ug/l	99
37) Ethyl Acetate	4.33	43	32779	19.171	ug/l #	95
38) Carbon Tetrachloride	4.22	117	108234m	26.485	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	87708	23.292	ug/l	95
40) Benzene	4.85	78	196245	23.735	ug/l	93
41) Methacrylonitrile	4.95	41	19560	21.726	ug/l	94
42) 1,2-Dichloroethane	5.16	62	83179	24.054	ug/l	98
43) Isopropyl Acetate	7.14	43	37693	22.071	ug/l #	93
44) Trichloroethene	5.71	130	72863	23.990	ug/l	96
45) 1,2-Dichloropropane	6.43	63	45124	24.095	ug/l	98
46) Dibromomethane	6.28	93	37731	24.300	ug/l	97
47) Bromodichloromethane	6.58	83	89488	23.052	ug/l	97
48) Methyl methacrylate	6.90	41	25163	20.849	ug/l	87
49) 1,4-Dioxane	6.89	88	4970	392.461	ug/l #	73
51) 4-Methyl-2-Pentanone	8.42	43	150414	116.232	ug/l	97
52) Toluene	7.80	92	119936	23.514	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	68094	23.192	ug/l	99
54) cis-1,3-Dichloropropene	7.48	75	78328	22.922	ug/l	99
55) 1,1,2-Trichloroethane	8.66	97	41282	25.496	ug/l	93
56) Ethyl methacrylate	8.77	69	36538	21.377	ug/l	95
57) 1,3-Dichloropropane	9.02	76	58092	23.752	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.47	63	53200	103.529	ug/l	96
59) 2-Hexanone	9.64	43	99906	111.628	ug/l	97
60) Dibromochloromethane	8.88	129	62309	23.529	ug/l	98
61) 1,2-Dibromoethane	9.15	107	45868	24.102	ug/l	98
64) Tetrachloroethene	8.32	164	73258	24.518	ug/l	99
65) Chlorobenzene	9.96	112	149165	24.495	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.08	131	74429	24.228	ug/l	96
67) Ethyl Benzene	10.05	91	260377	24.418	ug/l	99
68) m/p-Xylenes	10.28	106	194059	49.324	ug/l	99
69) o-Xylene	10.83	106	103287	24.295	ug/l	99
70) Styrene	10.90	104	156706	24.594	ug/l	98
71) Bromoform	10.89	173	40260	23.921	ug/l #	100
73) Isopropylbenzene	11.23	105	330814	23.193	ug/l	100
74) N-amyl acetate	11.47	43	60750	19.839	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	54062	24.207	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	39031	22.908	ug/l #	100
77) Bromobenzene	11.59	156	88664	23.686	ug/l	98
78) n-propylbenzene	11.68	91	360534	23.742	ug/l	97
79) 2-Chlorotoluene	11.81	91	219826	23.280	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	290502	23.237	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	13680m	21.360	ug/l	
82) 4-Chlorotoluene	11.99	91	218390	23.417	ug/l	100
83) tert-Butylbenzene	12.20	119	286841	21.832	ug/l	100
84) 1,2,4-Trimethylbenzene	12.28	105	283742	23.192	ug/l	97
85) sec-Butylbenzene	12.38	105	370274	23.153	ug/l	99
86) p-Isopropyltoluene	12.53	119	337156	22.692	ug/l	100
87) 1,3-Dichlorobenzene	12.55	146	160739	23.511	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	155176	23.517	ug/l	99
89) n-Butylbenzene	12.90	91	304078	23.003	ug/l	99
90) Hexachloroethane	12.98	117	82758	22.308	ug/l	97
91) 1,2-Dichlorobenzene	13.01	146	162011	24.483	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.70	75	11413	22.811	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	136479	22.994	µg/l	99
94) Hexachlorobutadiene	14.24	225	102887	23.257	µg/l	96
95) Naphthalene	14.50	128	187229	20.982	µg/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	129742	22.563	µg/l	98

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

