

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011619\
 Data File : VF061416.D
 Acq On : 16 Jan 2019 17:17
 Operator : VA/AP
 Sample : VF0116SBSD01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0116SBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/17/2019 1:23:51 PM

Quant Time: Jan 17 03:11:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	211374	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	335877	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	308635	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	160310	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	127345	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
35) Dibromofluoromethane	4.11	113	142051	53.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.20%	
50) Toluene-d8	7.55	98	398685	54.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.80%	
62) 4-Bromofluorobenzene	11.40	95	177457	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	71895	17.311	ug/l	91
3) Chloromethane	1.09	50	58947	19.357	ug/l	96
4) Vinyl Chloride	1.14	62	53880	19.890	ug/l	91
5) Bromomethane	1.31	94	34659	19.620	ug/l #	79
6) Chloroethane	1.38	64	22905	19.082	ug/l	91
7) Trichlorofluoromethane	1.48	101	83699	15.893	ug/l	99
8) Diethyl Ether	1.63	74	13295	19.702	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.84	101	45282	17.895	ug/l	93
10) Methyl Iodide	1.91	142	74831m	19.075	ug/l	
11) Tert butyl alcohol	2.57	59	11008	99.653	ug/l #	89
12) 1,1-Dichloroethene	1.79	96	36326	19.323	ug/l	95
13) Acrolein	1.99	56	6071	71.505	ug/l	90
14) Allyl chloride	2.08	41	53198	23.525	ug/l #	82
15) Acrylonitrile	2.93	53	26907	95.094	ug/l	95
16) Acetone	2.23	43	57702	110.217	ug/l	99
17) Carbon Disulfide	1.83	76	109929m	18.753	ug/l	
18) Methyl Acetate	2.34	43	22874	22.031	ug/l	94
19) Methyl tert-butyl Ether	2.43	73	75465	17.907	ug/l	96
20) Methylene Chloride	2.17	84	39043m	20.948	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	40893	19.770	ug/l	93
22) Diisopropyl ether	2.79	45	130686	19.534	ug/l	99
23) Vinyl Acetate	3.18	43	326079	112.590	ug/l	98
24) 1,1-Dichloroethane	2.86	63	76121	18.129	ug/l	99
25) 2-Butanone	4.33	43	96493	110.833	ug/l	99
26) 2,2-Dichloropropane	3.59	77	45680	17.707	ug/l	99
27) cis-1,2-Dichloroethene	3.46	96	60249	19.733	ug/l	98
28) Bromochloromethane	3.71	49	38427	20.360	ug/l #	95
29) Tetrahydrofuran	4.06	42	37619	100.349	ug/l	99
30) Chloroform	3.85	83	105569	18.630	ug/l	99
31) Cyclohexane	3.68	56	81783m	19.499	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	63162	15.201	ug/l	94
36) 1,1-Dichloropropene	4.26	75	82817	21.266	ug/l	100
37) Ethyl Acetate	4.10	43	34696	22.288	ug/l	94
38) Carbon Tetrachloride	3.98	117	62144	18.253	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	86670	20.536	ug/l	98
40) Benzene	4.62	78	185263	21.379	ug/l	99
41) Methacrylonitrile	4.73	41	17846	21.545	ug/l	95
42) 1,2-Dichloroethane	4.93	62	58837	19.054	ug/l	96
43) Isopropyl Acetate	6.96	43	43981	22.511	ug/l #	82
44) Trichloroethene	5.50	130	59445	22.362	ug/l	93
45) 1,2-Dichloropropane	6.23	63	50893	22.377	ug/l	97
46) Dibromomethane	6.08	93	31101	20.566	ug/l	94
47) Bromodichloromethane	6.37	83	76081	20.334	ug/l #	93
48) Methyl methacrylate	6.71	41	24599	18.750	ug/l	92
49) 1,4-Dioxane	6.70	88	4524	456.256	ug/l	97
51) 4-Methyl-2-Pentanone	8.25	43	150385	104.702	ug/l	98
52) Toluene	7.62	92	117231	20.543	ug/l	99
53) t-1,3-Dichloropropene	8.27	75	61652	20.751	ug/l	98
54) cis-1,3-Dichloropropene	7.29	75	80960	21.800	ug/l	97
55) 1,1,2-Trichloroethane	8.49	97	34779	21.462	ug/l	97
56) Ethyl methacrylate	8.61	69	37645	19.967	ug/l	96
57) 1,3-Dichloropropane	8.85	76	61437	20.227	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.29	63	23239	132.126	ug/l	91
59) 2-Hexanone	9.48	43	116321	116.138	ug/l	98
60) Dibromochloromethane	8.71	129	46403	19.587	ug/l	93
61) 1,2-Dibromoethane	8.98	107	35801	19.298	ug/l	96
64) Tetrachloroethene	8.15	164	47572	20.497	ug/l	98
65) Chlorobenzene	9.79	112	135722	21.625	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.93	131	53956	21.580	ug/l	99
67) Ethyl Benzene	9.90	91	248944	21.709	ug/l	99
68) m/p-Xylenes	10.12	106	175369	42.520	ug/l	95
69) o-Xylene	10.70	106	94413	21.121	ug/l	99
70) Styrene	10.78	104	130565	21.338	ug/l	97
71) Bromoform	10.76	173	24478	21.789	ug/l #	93
73) Isopropylbenzene	11.12	105	292995	22.472	ug/l	98
74) N-amyl acetate	11.37	43	71704	23.257	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.69	83	48745	20.986	ug/l	94
76) 1,2,3-Trichloropropane	11.79	75	35381	21.199	ug/l	98
77) Bromobenzene	11.49	156	59761	21.703	ug/l	97
78) n-propylbenzene	11.59	91	342510	20.166	ug/l	100
79) 2-Chlorotoluene	11.71	91	188744	20.864	ug/l	98
80) 1,3,5-Trimethylbenzene	11.82	105	233489	22.190	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.86	75	15012m	20.691	ug/l	
82) 4-Chlorotoluene	11.89	91	196813	21.560	ug/l	97
83) tert-Butylbenzene	12.13	119	249290	22.890	ug/l	95
84) 1,2,4-Trimethylbenzene	12.20	105	229929	21.214	ug/l	97
85) sec-Butylbenzene	12.30	105	331290	22.400	ug/l	96
86) p-Isopropyltoluene	12.45	119	273016	22.487	ug/l	96
87) 1,3-Dichlorobenzene	12.47	146	117743	20.360	ug/l	99
88) 1,4-Dichlorobenzene	12.56	146	107775	20.713	ug/l	98
89) n-Butylbenzene	12.84	91	280550	22.407	ug/l	96
90) Hexachloroethane	12.91	117	60346	21.086	ug/l	97
91) 1,2-Dichlorobenzene	12.93	146	107393	20.849	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.63	75	8297	20.139	ug/l	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	75897	21.033	ug/l	97
94) Hexachlorobutadiene	14.19	225	45644	20.385	ug/l	99
95) Naphthalene	14.45	128	136116	19.854	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	67724	20.275	ug/l	97

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

