

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032219\
 Data File : VF062080.D
 Acq On : 22 Mar 2019 13:22
 Operator : VA/AP
 Sample : VSTDIC100
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 11:57:13 AM

Quant Time: Mar 23 01:13:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 00:41:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.91	168	283643	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.63	114	470921	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.81	117	398125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	193493	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.88	65	218855	103.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.46%	
35) Dibromofluoromethane	4.15	113	303754	95.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	190.70%	
50) Toluene-d8	7.58	98	879953	92.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	185.08%	
62) 4-Bromofluorobenzene	11.44	95	337775	92.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	184.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	350130	96.357	ug/l	97
3) Chloromethane	1.10	50	368523	96.925	ug/l	95
4) Vinyl Chloride	1.15	62	351947	100.074	ug/l	98
5) Bromomethane	1.35	94	227284	89.904	ug/l	85
6) Chloroethane	1.41	64	170220	96.147	ug/l	94
7) Trichlorofluoromethane	1.50	101	416152m	102.014	ug/l	
8) Diethyl Ether	1.65	74	93965	96.848	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.86	101	273396	94.350	ug/l	98
10) Methyl Iodide	1.93	142	555346m	102.787	ug/l	
11) Tert butyl alcohol	2.60	59	54159	466.554	ug/l	94
12) 1,1-Dichloroethene	1.81	96	262847	96.136	ug/l	96
13) Acrolein	2.02	56	71009	507.537	ug/l	99
14) Allyl chloride	2.11	41	282578	96.804	ug/l	97
15) Acrylonitrile	2.97	53	200317	490.729	ug/l	98
16) Acetone	2.26	43	224300	505.143	ug/l	100
17) Carbon Disulfide	1.85	76	837241m	102.446	ug/l	
18) Methyl Acetate	2.37	43	91450	86.941	ug/l	92
19) Methyl tert-butyl Ether	2.46	73	437761	101.305	ug/l	98
20) Methylene Chloride	2.20	84	261395m	88.120	ug/l	
21) trans-1,2-Dichloroethene	2.33	96	280876m	110.538	ug/l	
22) Diisopropyl ether	2.83	45	761171	99.456	ug/l	98
23) Vinyl Acetate	3.22	43	1573014	501.999	ug/l	99
24) 1,1-Dichloroethane	2.90	63	447353	97.472	ug/l	100
25) 2-Butanone	4.37	43	450660	486.162	ug/l	97
26) 2,2-Dichloropropane	3.63	77	182742	98.203	ug/l	94
27) cis-1,2-Dichloroethene	3.51	96	358663	102.889	ug/l	98
28) Bromochloromethane	3.76	49	196638	104.863	ug/l	98
29) Tetrahydrofuran	4.11	42	193800	480.852	ug/l	97
30) Chloroform	3.90	83	478071	98.564	ug/l	98
31) Cyclohexane	3.73	56	484013m	107.461	ug/l	
32) 1,1,1-Trichloroethane	4.13	97	269404	91.308	ug/l	96
36) 1,1-Dichloropropene	4.32	75	422578	94.209	ug/l	98
37) Ethyl Acetate	4.15	43	170112	86.779	ug/l	98
38) Carbon Tetrachloride	4.02	117	284013	92.900	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.48	83	500049	96.054	ug/l	98
40) Benzene	4.67	78	1107194	92.076	ug/l	99
41) Methacrylonitrile	4.78	41	96489	93.027	ug/l	97
42) 1,2-Dichloroethane	4.98	62	266708	93.793	ug/l	98
43) Isopropyl Acetate	6.99	43	211313	89.010	ug/l #	99
44) Trichloroethene	5.54	130	336736	91.594	ug/l	95
45) 1,2-Dichloropropane	6.27	63	270369	94.270	ug/l	97
46) Dibromomethane	6.12	93	167109	95.295	ug/l	95
47) Bromodichloromethane	6.42	83	378840	97.533	ug/l	99
48) Methyl methacrylate	6.75	41	131507	97.290	ug/l	97
49) 1,4-Dioxane	6.74	88	24111	2032.840	ug/l	97
51) 4-Methyl-2-Pentanone	8.29	43	674793	424.675	ug/l	99
52) Toluene	7.66	92	643950	92.457	ug/l	95
53) t-1,3-Dichloropropene	8.31	75	288232	94.527	ug/l	97
54) cis-1,3-Dichloropropene	7.34	75	413042	94.672	ug/l	98
55) 1,1,2-Trichloroethane	8.52	97	186753	94.399	ug/l	96
56) Ethyl methacrylate	8.65	69	206409	87.484	ug/l	94
57) 1,3-Dichloropropane	8.89	76	305891	93.161	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.33	63	172359	481.424	ug/l	95
59) 2-Hexanone	9.53	43	477751	410.240	ug/l	99
60) Dibromochloromethane	8.75	129	266682	96.967	ug/l	98
61) 1,2-Dibromoethane	9.02	107	198853	94.214	ug/l	99
64) Tetrachloroethene	8.18	164	284350	92.446	ug/l	93
65) Chlorobenzene	9.83	112	703258	94.407	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.96	131	279766	93.497	ug/l	99
67) Ethyl Benzene	9.93	91	1169612	90.284	ug/l	97
68) m/p-Xylenes	10.17	106	890480	183.908	ug/l	90
69) o-Xylene	10.74	106	443071	87.369	ug/l	98
70) Styrene	10.82	104	694891	90.437	ug/l	98
71) Bromoform	10.80	173	142926	93.386	ug/l	99
73) Isopropylbenzene	11.15	105	1294345	95.065	ug/l	97
74) N-amyl acetate	11.39	43	311267	95.945	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.72	83	227120	97.151	ug/l	98
76) 1,2,3-Trichloropropane	11.81	75	151060	91.816	ug/l	96
77) Bromobenzene	11.52	156	316982	95.292	ug/l	89
78) n-propylbenzene	11.62	91	1393712	88.154	ug/l	96
79) 2-Chlorotoluene	11.74	91	830399	94.497	ug/l	99
80) 1,3,5-Trimethylbenzene	11.84	105	1038660	92.744	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.89	75	70752m	79.735	ug/l	
82) 4-Chlorotoluene	11.92	91	833676	92.527	ug/l	96
83) tert-Butylbenzene	12.15	119	1083981	92.462	ug/l	96
84) 1,2,4-Trimethylbenzene	12.23	105	1006205	91.650	ug/l	96
85) sec-Butylbenzene	12.33	105	1424387	93.918	ug/l	96
86) p-Isopropyltoluene	12.48	119	1196161	91.034	ug/l	98
87) 1,3-Dichlorobenzene	12.49	146	553308	89.530	ug/l	94
88) 1,4-Dichlorobenzene	12.58	146	563509	93.442	ug/l	95
89) n-Butylbenzene	12.87	91	1114160	88.877	ug/l	95
90) Hexachloroethane	12.94	117	305451	97.628	ug/l	89
91) 1,2-Dichlorobenzene	12.97	146	529943	91.321	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.67	75	36736	103.710	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	370898	91.705	ug/l	100
94) Hexachlorobutadiene	14.21	225	253994	94.450	ug/l	95
95) Naphthalene	14.48	128	753312	106.286	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	373751	98.723	ug/l	98

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

