

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032219\
 Data File : VF062077.D
 Acq On : 22 Mar 2019 11:56
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 11:57:10 AM

Quant Time: Mar 23 01:06:09 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	4.90	168	304102	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.63	114	468157	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.81	117	400435	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	215399	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.88	65	42010	18.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.14%	
35) Dibromofluoromethane	4.15	113	61079	19.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.58%	
50) Toluene-d8	7.58	98	187602	19.85	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	39.70%	
62) 4-Bromofluorobenzene	11.44	95	74448	20.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.80%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	85658	21.987	ug/l	99
3) Chloromethane	1.11	50	87127	21.374	ug/l	96
4) Vinyl Chloride	1.15	62	78912	20.928	ug/l	98
5) Bromomethane	1.36	94	51188	18.886	ug/l	96
6) Chloroethane	1.41	64	37161	19.578	ug/l	99
7) Trichlorofluoromethane	1.51	101	91584	20.940	ug/l	94
8) Diethyl Ether	1.64	74	21547	20.714	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.85	101	63652	20.489	ug/l	96
10) Methyl Iodide	1.93	142	119953m	20.708	ug/l	
11) Tert butyl alcohol	2.59	59	12398	99.618	ug/l #	92
12) 1,1-Dichloroethene	1.81	96	58944	20.108	ug/l	98
13) Acrolein	2.02	56	14819m	98.793	ug/l	
14) Allyl chloride	2.12	41	61876	19.771	ug/l	96
15) Acrylonitrile	2.96	53	45007	102.839	ug/l #	83
16) Acetone	2.25	43	46469	97.612	ug/l	98
17) Carbon Disulfide	1.84	76	182297	20.806	ug/l	98
18) Methyl Acetate	2.36	43	25135	22.288	ug/l	93
19) Methyl tert-butyl Ether	2.45	73	91561	19.763	ug/l	100
20) Methylene Chloride	2.20	84	65009m	20.441	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	48062	17.642	ug/l	98
22) Diisopropyl ether	2.83	45	165450	20.164	ug/l	97
23) Vinyl Acetate	3.21	43	354974	105.662	ug/l	97
24) 1,1-Dichloroethane	2.90	63	97588	19.833	ug/l	99
25) 2-Butanone	4.37	43	98232	98.841	ug/l	95
26) 2,2-Dichloropropane	3.63	77	40229	20.164	ug/l	93
27) cis-1,2-Dichloroethene	3.50	96	79550	21.285	ug/l	98
28) Bromochloromethane	3.74	49	41544	20.664	ug/l	98
29) Tetrahydrofuran	4.11	42	45006	104.155	ug/l	96
30) Chloroform	3.89	83	104823	20.158	ug/l	100
31) Cyclohexane	3.72	56	105427m	21.832	ug/l	
32) 1,1,1-Trichloroethane	4.13	97	57544	18.191	ug/l	92
36) 1,1-Dichloropropene	4.32	75	89605	20.094	ug/l	94
37) Ethyl Acetate	4.15	43	36656	18.810	ug/l	97
38) Carbon Tetrachloride	4.02	117	60163	19.795	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.49	83	89016	17.200	ug/l	99
40) Benzene	4.66	78	241372	20.191	ug/l	99
41) Methacrylonitrile	4.78	41	20810	20.182	ug/l	91
42) 1,2-Dichloroethane	4.98	62	58021	20.525	ug/l	99
43) Isopropyl Acetate	6.99	43	46285	19.612	ug/l #	96
44) Trichloroethene	5.53	130	71133	19.463	ug/l	98
45) 1,2-Dichloropropane	6.26	63	59087	20.724	ug/l	97
46) Dibromomethane	6.11	93	34081	19.550	ug/l	89
47) Bromodichloromethane	6.42	83	76978	19.935	ug/l	98
48) Methyl methacrylate	6.74	41	27379	20.375	ug/l	97
49) 1,4-Dioxane	6.73	88	4722	400.470	ug/l	96
51) 4-Methyl-2-Pentanone	8.29	43	163506	103.509	ug/l	99
52) Toluene	7.65	92	138875	20.057	ug/l	99
53) t-1,3-Dichloropropene	8.31	75	61046	20.139	ug/l	98
54) cis-1,3-Dichloropropene	7.33	75	86665	19.981	ug/l	98
55) 1,1,2-Trichloroethane	8.52	97	39245	19.955	ug/l	98
56) Ethyl methacrylate	8.64	69	48450	20.656	ug/l	88
57) 1,3-Dichloropropane	8.88	76	66647	20.418	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.32	63	35321	99.239	ug/l	99
59) 2-Hexanone	9.52	43	123376	106.567	ug/l	96
60) Dibromochloromethane	8.74	129	56342	20.607	ug/l	93
61) 1,2-Dibromoethane	9.01	107	42923	20.457	ug/l	98
64) Tetrachloroethene	8.18	164	61529	19.889	ug/l	90
65) Chlorobenzene	9.83	112	150316	20.062	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.96	131	59257	19.689	ug/l	97
67) Ethyl Benzene	9.93	91	262302	20.131	ug/l	98
68) m/p-Xylenes	10.16	106	201975	41.473	ug/l	97
69) o-Xylene	10.74	106	106106	20.802	ug/l	98
70) Styrene	10.81	104	161501	20.897	ug/l	98
71) Bromoform	10.79	173	32189	20.911	ug/l	97
73) Isopropylbenzene	11.15	105	304316	20.078	ug/l	99
74) N-amyl acetate	11.40	43	73167	20.259	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.71	83	50446	19.384	ug/l	96
76) 1,2,3-Trichloropropane	11.81	75	37027	20.217	ug/l	91
77) Bromobenzene	11.51	156	75617	20.420	ug/l	84
78) n-propylbenzene	11.61	91	365956	20.793	ug/l	96
79) 2-Chlorotoluene	11.74	91	192660	19.695	ug/l	99
80) 1,3,5-Trimethylbenzene	11.84	105	249259	19.993	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.89	75	14799m	14.982	ug/l	
82) 4-Chlorotoluene	11.92	91	195133	19.455	ug/l	96
83) tert-Butylbenzene	12.15	119	267375	20.487	ug/l	96
84) 1,2,4-Trimethylbenzene	12.22	105	237967	19.471	ug/l	99
85) sec-Butylbenzene	12.32	105	329274	19.503	ug/l	97
86) p-Isopropyltoluene	12.48	119	283373	19.373	ug/l	99
87) 1,3-Dichlorobenzene	12.49	146	137688	20.013	ug/l	96
88) 1,4-Dichlorobenzene	12.59	146	132234	19.697	ug/l	99
89) n-Butylbenzene	12.87	91	290236	20.798	ug/l	96
90) Hexachloroethane	12.93	117	68507	19.669	ug/l	99
91) 1,2-Dichlorobenzene	12.96	146	129528	20.050	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.66	75	7947	20.154	ug/l	93

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93) 1,2,4-Trichlorobenzene	14.22	180	88344	19.622	ug/l	99
94) Hexachlorobutadiene	14.21	225	58006	19.376	ug/l	98
95) Naphthalene	14.47	128	152253	19.297	ug/l	98
96) 1,2,3-Trichlorobenzene	14.62	180	81581	19.357	ug/l	99

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

