

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031619\
 Data File : VF061977.D
 Acq On : 16 Mar 2019 13:51
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 6:19:09 PM

Quant Time: Mar 22 03:20:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:28:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	264023	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	399886	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	348879	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	177243	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	174394	91.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	183.52%	
35) Dibromofluoromethane	4.11	113	238020	88.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	177.28%	
50) Toluene-d8	7.56	98	699922	89.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	178.32%	
62) 4-Bromofluorobenzene	11.41	95	263155	84.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	168.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	240626	85.493	ug/l	98
3) Chloromethane	1.10	50	249177	87.117	ug/l #	88
4) Vinyl Chloride	1.15	62	252029	91.107	ug/l	95
5) Bromomethane	1.33	94	162943	83.848	ug/l	99
6) Chloroethane	1.39	64	118193	82.765	ug/l	94
7) Trichlorofluoromethane	1.48	101	328443	89.619	ug/l	91
8) Diethyl Ether	1.63	74	77175	94.726	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.85	101	224213	86.834	ug/l	94
10) Methyl Iodide	1.92	142	412692m	91.318	ug/l	
11) Tert butyl alcohol	2.57	59	52072	447.755	ug/l	100
12) 1,1-Dichloroethene	1.80	96	198466	89.064	ug/l	97
13) Acrolein	2.00	56	57631	459.048	ug/l	95
14) Allyl chloride	2.09	41	244684	86.021	ug/l	94
15) Acrylonitrile	2.94	53	171377	484.595	ug/l	96
16) Acetone	2.24	43	186056	435.959	ug/l	99
17) Carbon Disulfide	1.83	76	588508m	91.318	ug/l	
18) Methyl Acetate	2.35	43	90969	100.349	ug/l	92
19) Methyl tert-butyl Ether	2.43	73	365950	90.631	ug/l	98
20) Methylene Chloride	2.18	84	194907m	88.708	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	211134	90.793	ug/l	95
22) Diisopropyl ether	2.80	45	623643	91.150	ug/l	99
23) Vinyl Acetate	3.19	43	1284162	476.114	ug/l	97
24) 1,1-Dichloroethane	2.87	63	368958	92.742	ug/l	99
25) 2-Butanone	4.34	43	365263	432.155	ug/l	94
26) 2,2-Dichloropropane	3.59	77	165073	87.968	ug/l	96
27) cis-1,2-Dichloroethene	3.47	96	265097	90.446	ug/l	97
28) Bromochloromethane	3.72	49	157359	95.326	ug/l	96
29) Tetrahydrofuran	4.06	42	157784	429.253	ug/l	99
30) Chloroform	3.86	83	402653	89.328	ug/l	97
31) Cyclohexane	3.69	56	357196m	91.642	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	279747	93.451	ug/l	98
36) 1,1-Dichloropropene	4.28	75	332076	91.958	ug/l	97
37) Ethyl Acetate	4.10	43	141719	87.403	ug/l #	74
38) Carbon Tetrachloride	3.99	117	228860	86.717	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	389008	91.760	ug/l	97
40) Benzene	4.63	78	859153	89.788	ug/l	100
41) Methacrylonitrile	4.75	41	76214	87.976	ug/l	96
42) 1,2-Dichloroethane	4.94	62	224870	94.403	ug/l	97
43) Isopropyl Acetate	6.95	43	170774	89.018	ug/l #	94
44) Trichloroethene	5.50	130	263292	89.823	ug/l	100
45) 1,2-Dichloropropane	6.23	63	208741	92.180	ug/l	97
46) Dibromomethane	6.09	93	133960	99.442	ug/l	94
47) Bromodichloromethane	6.38	83	303387	95.527	ug/l	99
48) Methyl methacrylate	6.72	41	113785	91.772	ug/l #	91
49) 1,4-Dioxane	6.71	88	22611	2050.203	ug/l	86
51) 4-Methyl-2-Pentanone	8.26	43	608857	446.932	ug/l	95
52) Toluene	7.62	92	523853	89.601	ug/l	93
53) t-1,3-Dichloropropene	8.28	75	238207	88.842	ug/l	97
54) cis-1,3-Dichloropropene	7.30	75	330405	94.441	ug/l	98
55) 1,1,2-Trichloroethane	8.49	97	155234	95.133	ug/l	98
56) Ethyl methacrylate	8.62	69	173673	93.629	ug/l	98
57) 1,3-Dichloropropane	8.86	76	253162	93.008	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.30	63	170975	508.891	ug/l #	89
59) 2-Hexanone	9.49	43	409264	415.114	ug/l	98
60) Dibromochloromethane	8.72	129	223345	98.595	ug/l	92
61) 1,2-Dibromoethane	8.99	107	162947	93.096	ug/l	98
64) Tetrachloroethene	8.16	164	227659	89.772	ug/l	96
65) Chlorobenzene	9.80	112	574653	88.470	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.93	131	229820	91.279	ug/l	97
67) Ethyl Benzene	9.90	91	961416	86.445	ug/l	97
68) m/p-Xylenes	10.13	106	726012	173.563	ug/l	97
69) o-Xylene	10.71	106	391439	87.455	ug/l	98
70) Styrene	10.79	104	535661	86.384	ug/l	99
71) Bromoform	10.77	173	120634	94.725	ug/l	99
73) Isopropylbenzene	11.13	105	1097760	89.650	ug/l	97
74) N-amyl acetate	11.37	43	266287	94.907	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.70	83	186347	92.197	ug/l	96
76) 1,2,3-Trichloropropane	11.80	75	132599	93.820	ug/l	96
77) Bromobenzene	11.50	156	262112	92.432	ug/l	94
78) n-propylbenzene	11.60	91	1217796	86.491	ug/l	95
79) 2-Chlorotoluene	11.72	91	711616	89.540	ug/l	97
80) 1,3,5-Trimethylbenzene	11.83	105	867966	87.750	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.86	75	58505m	93.572	ug/l	
82) 4-Chlorotoluene	11.89	91	692619	86.179	ug/l	97
83) tert-Butylbenzene	12.13	119	920444	88.979	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	852095	86.005	ug/l	99
85) sec-Butylbenzene	12.31	105	1235340	88.388	ug/l	94
86) p-Isopropyltoluene	12.46	119	1012504	86.818	ug/l	98
87) 1,3-Dichlorobenzene	12.48	146	476597	85.514	ug/l	96
88) 1,4-Dichlorobenzene	12.56	146	485940	90.587	ug/l	96
89) n-Butylbenzene	12.84	91	950333	86.719	ug/l	96
90) Hexachloroethane	12.92	117	261371	98.206	ug/l	87
91) 1,2-Dichlorobenzene	12.94	146	461614	89.426	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	31324	96.577	ug/l	70

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	313358	87.175	ug/l	97
94) Hexachlorobutadiene	14.19	225	215566	90.333	ug/l	98
95) Naphthalene	14.46	128	647339	100.130	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	310950	94.026	ug/l	99

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

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