

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV011819\
 Data File : VV009225.D
 Acq On : 18 Jan 2019 17:22
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00 G/5ML/MSVOA V/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 1/21/2019 10:45:35 AM

Quant Time: Jan 19 03:21:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V011819S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 19 02:50:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.73	168	91938	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	159230	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.89	117	150688	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	78231	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.08	65	137435	111.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	223.60%	
35) Dibromofluoromethane	4.64	113	117950	112.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	225.68%	
50) Toluene-d8	7.36	98	448487	113.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	226.66%	
62) 4-Bromofluorobenzene	10.12	95	176643	114.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	229.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	70397	99.155	ug/l	99
3) Chloromethane	1.25	50	105981	105.269	ug/l	99
4) Vinyl Chloride	1.32	62	101875	102.965	ug/l	98
5) Bromomethane	1.53	94	66977	103.506	ug/l	99
6) Chloroethane	1.60	64	63695	103.110	ug/l	98
7) Trichlorofluoromethane	1.76	101	58663	101.930	ug/l	99
8) Diethyl Ether	1.96	74	54265	112.919	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.14	101	90988	101.792	ug/l	98
10) Methyl Iodide	2.26	142	154849	107.451	ug/l	99
11) Tert butyl alcohol	2.66	59	39831	558.894	ug/l	100
12) 1,1-Dichloroethene	2.14	96	91841	106.702	ug/l	95
13) Acrolein	2.05	56	30063	514.059	ug/l	96
14) Allyl chloride	2.42	41	162497	104.663	ug/l	99
15) Acrylonitrile	2.76	53	115141	571.201	ug/l	99
16) Acetone	2.17	43	134871	532.902	ug/l	99
17) Carbon Disulfide	2.32	76	278561	104.511	ug/l	99
18) Methyl Acetate	2.45	43	76867	115.638	ug/l	98
19) Methyl tert-butyl Ether	2.80	73	148412	105.484	ug/l	99
20) Methylene Chloride	2.53	84	101599	103.484	ug/l	98
21) trans-1,2-Dichloroethene	2.78	96	101118	106.472	ug/l	99
22) Diisopropyl ether	3.32	45	381253	107.848	ug/l	94
23) Vinyl Acetate	3.30	43	1118557	581.644	ug/l	99
24) 1,1-Dichloroethane	3.22	63	223618	107.485	ug/l	99
25) 2-Butanone	4.01	43	191952	604.520	ug/l	100
26) 2,2-Dichloropropane	3.95	77	125158	107.813	ug/l	100
27) cis-1,2-Dichloroethene	3.95	96	130877	107.610	ug/l	99
28) Bromochloromethane	4.29	49	91765	105.011	ug/l	100
29) Tetrahydrofuran	4.38	42	113608	597.522	ug/l	99
30) Chloroform	4.42	83	234526	106.970	ug/l	99
31) Cyclohexane	4.72	56	185502	104.470	ug/l	96
32) 1,1,1-Trichloroethane	4.65	97	183190	103.054	ug/l	98
36) 1,1-Dichloropropene	4.87	75	167646	107.847	ug/l	99
37) Ethyl Acetate	4.12	43	81583	124.139	ug/l	99
38) Carbon Tetrachloride	4.87	117	172833	109.081	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.17	83	201636	107.929	ug/l	97
40) Benzene	5.14	78	488147	107.944	ug/l	98
41) Methacrylonitrile	4.30	41	47099	122.246	ug/l	97
42) 1,2-Dichloroethane	5.17	62	168805	111.342	ug/l	100
43) Isopropyl Acetate	5.32	43	156850	121.914	ug/l	99
44) Trichloroethene	5.95	130	123933	108.995	ug/l	99
45) 1,2-Dichloropropane	6.22	63	125367	111.056	ug/l	99
46) Dibromomethane	6.35	93	68237	114.455	ug/l	99
47) Bromodichloromethane	6.55	83	182532	115.335	ug/l	99
48) Methyl methacrylate	6.41	41	81008	119.989	ug/l	97
49) 1,4-Dioxane	6.41	88	18841	2350.329	ug/l	98
51) 4-Methyl-2-Pentanone	7.27	43	391408	581.798	ug/l	98
52) Toluene	7.43	92	313455	109.330	ug/l	100
53) t-1,3-Dichloropropene	7.69	75	181705	117.074	ug/l	98
54) cis-1,3-Dichloropropene	7.07	75	203544	113.522	ug/l	99
55) 1,1,2-Trichloroethane	7.88	97	93005	116.519	ug/l	96
56) Ethyl methacrylate	7.83	69	122152	121.756	ug/l	99
57) 1,3-Dichloropropane	8.05	76	169940	112.910	ug/l	99
58) 2-Chloroethyl Vinyl ether	6.93	63	12870	1427.633	ug/l #	88
59) 2-Hexanone	8.18	43	291134	603.639	ug/l	98
60) Dibromochloromethane	8.29	129	116506	118.540	ug/l	99
61) 1,2-Dibromoethane	8.40	107	93971	117.794	ug/l	98
64) Tetrachloroethene	8.02	164	101772	108.895	ug/l	98
65) Chlorobenzene	8.92	112	344695	108.694	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.02	131	123981	110.089	ug/l	99
67) Ethyl Benzene	9.05	91	618266	108.120	ug/l	99
68) m/p-Xylenes	9.18	106	463306	217.155	ug/l	98
69) o-Xylene	9.59	106	222822	108.842	ug/l	100
70) Styrene	9.60	104	369583	110.063	ug/l	100
71) Bromoform	9.77	173	65117	119.459	ug/l #	100
73) Isopropylbenzene	9.97	105	618097	106.165	ug/l	100
74) N-amyl acetate	9.84	43	146271	118.209	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.29	83	115806	111.762	ug/l	99
76) 1,2,3-Trichloropropane	10.32	75	88413m	113.078	ug/l	
77) Bromobenzene	10.26	156	136830	107.627	ug/l	99
78) n-propylbenzene	10.40	91	735366	105.757	ug/l	99
79) 2-Chlorotoluene	10.47	91	441958	106.479	ug/l	100
80) 1,3,5-Trimethylbenzene	10.59	105	523686	105.740	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.05	75	34934	117.422	ug/l	96
82) 4-Chlorotoluene	10.58	91	523649	104.752	ug/l	99
83) tert-Butylbenzene	10.91	119	497202	105.960	ug/l	100
84) 1,2,4-Trimethylbenzene	10.96	105	538886	106.412	ug/l	100
85) sec-Butylbenzene	11.13	105	637890	105.777	ug/l	100
86) p-Isopropyltoluene	11.29	119	568323	106.023	ug/l	99
87) 1,3-Dichlorobenzene	11.23	146	275220	107.027	ug/l	99
88) 1,4-Dichlorobenzene	11.32	146	277877	107.087	ug/l	99
89) n-Butylbenzene	11.70	91	557386	105.932	ug/l	99
90) Hexachloroethane	11.95	117	107679	109.527	ug/l	99
91) 1,2-Dichlorobenzene	11.69	146	249750	108.004	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.48	75	21227	116.925	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.31	180	176062	114.441	ug/l	99
94) Hexachlorobutadiene	13.49	225	94740	107.565	ug/l	99
95) Naphthalene	13.55	128	335402	121.017	ug/l	100
96) 1,2,3-Trichlorobenzene	13.79	180	152617	112.537	ug/l	99

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

