

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112719\
 Data File : VY000830.D
 Acq On : 27 Nov 2019 19:21
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/2/2019 11:37:00 AM

Quant Time: Nov 28 23:38:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	307842	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	551343	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	498195	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	236516	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	180579	55.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.40%	
35) Dibromofluoromethane	7.73	113	167649	52.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.34%	
50) Toluene-d8	10.18	98	693884	54.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.02%	
62) 4-Bromofluorobenzene	12.48	95	243576	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	163553	49.355	ug/l	95
3) Chloromethane	2.12	50	210984	51.650	ug/l	97
4) Vinyl Chloride	2.25	62	208140	51.701	ug/l	98
5) Bromomethane	2.65	94	129220	53.831	ug/l	100
6) Chloroethane	2.79	64	130010	52.672	ug/l	97
7) Trichlorofluoromethane	3.13	101	278166	50.418	ug/l	95
8) Diethyl Ether	3.54	74	112266	54.064	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	173368	50.884	ug/l	99
10) Methyl Iodide	4.09	142	222936	51.970	ug/l	100
11) Tert butyl alcohol	4.97	59	91848	279.092	ug/l	99
12) 1,1-Dichloroethene	3.88	96	178473	52.876	ug/l	96
13) Acrolein	3.74	56	68677	211.847	ug/l	99
14) Allyl chloride	4.49	41	313737	54.209	ug/l	99
15) Acrylonitrile	5.18	53	298359	278.249	ug/l	99
16) Acetone	3.96	43	207828	276.963	ug/l	95
17) Carbon Disulfide	4.20	76	558995	51.206	ug/l	99
18) Methyl Acetate	4.48	43	169773	54.109	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	505959	56.129	ug/l	98
20) Methylene Chloride	4.72	84	200240	50.624	ug/l	94
21) trans-1,2-Dichloroethene	5.23	96	197939	51.594	ug/l	95
22) Diisopropyl ether	6.13	45	667719	56.134	ug/l	97
23) Vinyl Acetate	6.07	43	2074285	286.841	ug/l	100
24) 1,1-Dichloroethane	6.03	63	351638	53.635	ug/l	97
25) 2-Butanone	7.00	43	394168	284.361	ug/l	100
26) 2,2-Dichloropropane	6.99	77	281913	51.090	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	221580	53.431	ug/l	98
28) Bromochloromethane	7.35	49	143367	59.253	ug/l	95
29) Tetrahydrofuran	7.36	42	266321	289.939	ug/l	98
30) Chloroform	7.52	83	344574	52.391	ug/l	97
31) Cyclohexane	7.79	56	348450	50.171	ug/l	100
32) 1,1,1-Trichloroethane	7.71	97	286950	52.837	ug/l	100
36) 1,1-Dichloropropene	7.92	75	274751	50.119	ug/l	99
37) Ethyl Acetate	7.08	43	173898	54.938	ug/l	98
38) Carbon Tetrachloride	7.91	117	250139	51.236	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	360975	49.700	ug/l	99
40) Benzene	8.17	78	827192	51.803	ug/l	99
41) Methacrylonitrile	7.33	41	96107m	57.607	ug/l	
42) 1,2-Dichloroethane	8.25	62	224775	53.525	ug/l	100
43) Isopropyl Acetate	8.28	43	325070	54.495	ug/l	99
44) Trichloroethene	8.94	130	212747	51.842	ug/l	98
45) 1,2-Dichloropropane	9.22	63	210859	52.571	ug/l	96
46) Dibromomethane	9.31	93	110860	52.899	ug/l	96
47) Bromodichloromethane	9.50	83	261052	53.026	ug/l #	98
48) Methyl methacrylate	9.30	41	143490	54.703	ug/l	97
49) 1,4-Dioxane	9.30	88	31196	1050.580	ug/l #	90
51) 4-Methyl-2-Pentanone	10.07	43	868584	281.822	ug/l	98
52) Toluene	10.24	92	508891	51.472	ug/l	96
53) t-1,3-Dichloropropene	10.47	75	288797	54.601	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	333942	53.415	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	165961	53.601	ug/l	94
56) Ethyl methacrylate	10.51	69	251340	56.745	ug/l	96
57) 1,3-Dichloropropane	10.79	76	294858	54.640	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	456614	255.673	ug/l	98
59) 2-Hexanone	10.83	43	621196	276.603	ug/l	98
60) Dibromochloromethane	10.99	129	182170	54.655	ug/l	99
61) 1,2-Dibromoethane	11.09	107	159391	54.623	ug/l	100
64) Tetrachloroethene	10.72	164	220656	50.978	ug/l	98
65) Chlorobenzene	11.52	112	538848	52.034	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	185559	53.170	ug/l	99
67) Ethyl Benzene	11.59	91	999793	51.839	ug/l	99
68) m/p-Xylenes	11.70	106	756859	104.553	ug/l	99
69) o-Xylene	12.03	106	352900	52.284	ug/l	100
70) Styrene	12.04	104	621147	53.745	ug/l	100
71) Bromoform	12.20	173	107656	54.695	ug/l #	100
73) Isopropylbenzene	12.33	105	955508	50.739	ug/l	99
74) N-amyl acetate	12.14	43	286276	54.616	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	197493	53.224	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	138201m	51.573	ug/l	
77) Bromobenzene	12.61	156	209795	51.394	ug/l	99
78) n-propylbenzene	12.67	91	1172421	50.988	ug/l	100
79) 2-Chlorotoluene	12.75	91	639223	50.320	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	798423	51.206	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	73348	53.766	ug/l	98
82) 4-Chlorotoluene	12.85	91	668684	51.093	ug/l	100
83) tert-Butylbenzene	13.07	119	674879	51.481	ug/l	99
84) 1,2,4-Trimethylbenzene	13.11	105	803546	51.510	ug/l	100
85) sec-Butylbenzene	13.25	105	978910	51.345	ug/l	99
86) p-Isopropyltoluene	13.37	119	850353	51.280	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	407408	50.876	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	411914	51.950	ug/l	100
89) n-Butylbenzene	13.69	91	857374	51.138	ug/l	99
90) Hexachloroethane	13.96	117	162025	53.041	ug/l	98
91) 1,2-Dichlorobenzene	13.73	146	380390	52.810	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	33686	54.226	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	255462	52.412	ug/l	99
94) Hexachlorobutadiene	15.11	225	123822	51.239	ug/l	99
95) Naphthalene	15.23	128	614923	54.334	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	231607	53.198	ug/l	99

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

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