

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121719\
 Data File : VY000970.D
 Acq On : 17 Dec 2019 11:44
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/18/2019 1:01:50 PM

Quant Time: Dec 18 05:56:17 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	267492	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	453867	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	401877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	190824	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	138027	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
35) Dibromofluoromethane	7.72	113	138662	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
50) Toluene-d8	10.18	98	565693	53.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.98%	
62) 4-Bromofluorobenzene	12.48	95	195974	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	127254	44.194	ug/l	96
3) Chloromethane	2.12	50	168131	47.368	ug/l	98
4) Vinyl Chloride	2.26	62	173678	49.649	ug/l	99
5) Bromomethane	2.65	94	109520	52.316	ug/l	98
6) Chloroethane	2.80	64	110489	51.516	ug/l	95
7) Trichlorofluoromethane	3.13	101	248788	51.895	ug/l	98
8) Diethyl Ether	3.54	74	101949	56.501	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.90	101	167102	56.443	ug/l	98
10) Methyl Iodide	4.10	142	200249	53.723	ug/l	98
11) Tert butyl alcohol	4.97	59	78913	275.958	ug/l	98
12) 1,1-Dichloroethene	3.88	96	165867	56.553	ug/l	88
13) Acrolein	3.74	56	79267	281.398	ug/l	99
14) Allyl chloride	4.48	41	272610	54.208	ug/l	98
15) Acrylonitrile	5.18	53	269287	289.019	ug/l	98
16) Acetone	3.96	43	151940	233.027	ug/l	96
17) Carbon Disulfide	4.20	76	480781	50.685	ug/l	100
18) Methyl Acetate	4.48	43	151539	55.584	ug/l	99
19) Methyl tert-butyl Ether	5.22	73	444018	56.687	ug/l	99
20) Methylene Chloride	4.72	84	188542	54.857	ug/l	97
21) trans-1,2-Dichloroethene	5.22	96	184581	55.370	ug/l	93
22) Diisopropyl ether	6.13	45	564257	54.591	ug/l	97
23) Vinyl Acetate	6.07	43	1735591	276.209	ug/l	98
24) 1,1-Dichloroethane	6.02	63	317969	55.815	ug/l	99
25) 2-Butanone	7.00	43	307357	255.181	ug/l	96
26) 2,2-Dichloropropane	6.99	77	265828	55.442	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	206341	57.262	ug/l	98
28) Bromochloromethane	7.35	49	106113	50.770	ug/l	99
29) Tetrahydrofuran	7.36	42	219238	274.685	ug/l	98
30) Chloroform	7.52	83	307522	53.811	ug/l	97
31) Cyclohexane	7.79	56	314749	52.155	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	262690	55.666	ug/l	98
36) 1,1-Dichloropropene	7.93	75	250170	55.436	ug/l	99
37) Ethyl Acetate	7.08	43	144111	55.305	ug/l	98
38) Carbon Tetrachloride	7.91	117	227818	56.686	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	332998	55.695	ug/l	96
40) Benzene	8.17	78	759362	57.768	ug/l	100
41) Methacrylonitrile	7.32	41	56580m	41.198	ug/l	
42) 1,2-Dichloroethane	8.24	62	191626	55.431	ug/l	98
43) Isopropyl Acetate	8.28	43	274065	55.812	ug/l	98
44) Trichloroethene	8.94	130	198466	58.748	ug/l	93
45) 1,2-Dichloropropane	9.22	63	192362	58.260	ug/l	96
46) Dibromomethane	9.31	93	101379	58.765	ug/l	98
47) Bromodichloromethane	9.50	83	235339	58.070	ug/l	97
48) Methyl methacrylate	9.30	41	116493	53.949	ug/l	90
49) 1,4-Dioxane	9.30	88	28286	1157.164	ug/l	93
51) 4-Methyl-2-Pentanone	10.07	43	723929	285.334	ug/l	98
52) Toluene	10.24	92	465912	57.246	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	256892	59.000	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	303993	59.068	ug/l	94
55) 1,1,2-Trichloroethane	10.64	97	149300	58.576	ug/l	97
56) Ethyl methacrylate	10.51	69	218804	60.009	ug/l	97
57) 1,3-Dichloropropane	10.79	76	264304	59.497	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.78	63	379957	258.443	ug/l	99
59) 2-Hexanone	10.83	43	506035	273.717	ug/l	98
60) Dibromochloromethane	10.99	129	162863	59.356	ug/l	100
61) 1,2-Dibromoethane	11.09	107	143745	59.841	ug/l	99
64) Tetrachloroethene	10.72	164	208461	59.703	ug/l	96
65) Chlorobenzene	11.52	112	484586	58.009	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	169603	60.246	ug/l	99
67) Ethyl Benzene	11.59	91	907205	58.312	ug/l	97
68) m/p-Xylenes	11.70	106	680555	116.544	ug/l	99
69) o-Xylene	12.03	106	324634	59.624	ug/l	96
70) Styrene	12.04	104	552872	59.302	ug/l	98
71) Bromoform	12.20	173	96446	60.743	ug/l #	99
73) Isopropylbenzene	12.33	105	865260	56.948	ug/l	99
74) N-amyl acetate	12.14	43	235067	55.585	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	172156	57.505	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	121532m	56.212	ug/l	
77) Bromobenzene	12.61	156	189468	57.528	ug/l	98
78) n-propylbenzene	12.67	91	1053553	56.789	ug/l	99
79) 2-Chlorotoluene	12.75	91	575408	56.143	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	705985	56.119	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	65999	59.963	ug/l	95
82) 4-Chlorotoluene	12.85	91	593411	56.199	ug/l	100
83) tert-Butylbenzene	13.07	119	612312	57.892	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	710890	56.482	ug/l	99
85) sec-Butylbenzene	13.25	105	887521	57.698	ug/l	99
86) p-Isopropyltoluene	13.37	119	769123	57.487	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	366113	56.666	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	367754	57.487	ug/l	99
89) n-Butylbenzene	13.69	91	779988	57.661	ug/l	100
90) Hexachloroethane	13.96	117	143290	58.139	ug/l	100
91) 1,2-Dichlorobenzene	13.73	146	334494	57.557	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	26051	51.977	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	231722	58.925	ug/l	100
94) Hexachlorobutadiene	15.11	225	113677	58.305	ug/l	98
95) Naphthalene	15.23	128	538251	58.947	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	202286	57.589	ug/l	99

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

