

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122319\
 Data File : VY001034.D
 Acq On : 23 Dec 2019 17:22
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.89G/5ML/MSVOA Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/24/2019 11:06:27 AM

Quant Time: Dec 24 05:38:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 12:07:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	266130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	477186	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	437834	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	211545	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	145012	55.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.50%	
35) Dibromofluoromethane	7.72	113	146935	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	
50) Toluene-d8	10.18	98	594067	54.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.20%	
62) 4-Bromofluorobenzene	12.48	95	203234	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	126115	54.383	ug/l	97
3) Chloromethane	2.11	50	165711	52.504	ug/l	97
4) Vinyl Chloride	2.25	62	163159	53.232	ug/l	96
5) Bromomethane	2.64	94	106099	55.868	ug/l	97
6) Chloroethane	2.79	64	105431	55.227	ug/l	97
7) Trichlorofluoromethane	3.13	101	237581	52.847	ug/l	95
8) Diethyl Ether	3.53	74	102117	55.646	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.90	101	163326	55.307	ug/l	99
10) Methyl Iodide	4.09	142	208752	51.163	ug/l	99
11) Tert butyl alcohol	4.96	59	82022	284.204	ug/l	99
12) 1,1-Dichloroethene	3.88	96	160758	53.769	ug/l	98
13) Acrolein	3.73	56	104504	292.247	ug/l	97
14) Allyl chloride	4.49	41	268944	57.905	ug/l	98
15) Acrylonitrile	5.17	53	276085	301.026	ug/l	98
16) Acetone	3.95	43	169855	280.901	ug/l	98
17) Carbon Disulfide	4.19	76	471491	48.261	ug/l	100
18) Methyl Acetate	4.47	43	142753	61.534	ug/l	98
19) Methyl tert-butyl Ether	5.22	73	449632	58.268	ug/l	99
20) Methylene Chloride	4.72	84	196909	55.325	ug/l	93
21) trans-1,2-Dichloroethene	5.22	96	180938	54.608	ug/l	93
22) Diisopropyl ether	6.13	45	571408	60.866	ug/l	99
23) Vinyl Acetate	6.07	43	1786643	301.346	ug/l	100
24) 1,1-Dichloroethane	6.02	63	316695	57.085	ug/l	98
25) 2-Butanone	6.99	43	323866	304.882	ug/l	97
26) 2,2-Dichloropropane	6.99	77	251898	55.265	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	209160	57.458	ug/l	99
28) Bromochloromethane	7.34	49	121815	56.275	ug/l	100
29) Tetrahydrofuran	7.35	42	226666	299.975	ug/l	99
30) Chloroform	7.51	83	307584	58.633	ug/l	97
31) Cyclohexane	7.79	56	293396	50.293	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	249363	55.724	ug/l	99
36) 1,1-Dichloropropene	7.93	75	243444	53.477	ug/l	100
37) Ethyl Acetate	7.08	43	142757	56.635	ug/l	98
38) Carbon Tetrachloride	7.91	117	216281	54.226	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	317758	52.563	ug/l	98
40) Benzene	8.16	78	753937	54.897	ug/l	96
41) Methacrylonitrile	7.32	41	61317m	56.108	ug/l	
42) 1,2-Dichloroethane	8.24	62	186753	56.876	ug/l	99
43) Isopropyl Acetate	8.28	43	273530	58.620	ug/l	99
44) Trichloroethene	8.94	130	198109	54.748	ug/l	100
45) 1,2-Dichloropropane	9.22	63	194506	56.455	ug/l	99
46) Dibromomethane	9.31	93	102977	57.982	ug/l	99
47) Bromodichloromethane	9.50	83	233718	56.811	ug/l	99
48) Methyl methacrylate	9.29	41	117641	59.080	ug/l	98
49) 1,4-Dioxane	9.30	88	30993	1192.941	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	731832	300.909	ug/l	99
52) Toluene	10.24	92	469842	55.583	ug/l	99
53) t-1,3-Dichloropropene	10.46	75	261961	58.673	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	308108	57.390	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	156161	58.897	ug/l	94
56) Ethyl methacrylate	10.51	69	226308	59.972	ug/l	99
57) 1,3-Dichloropropane	10.79	76	269683	58.028	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	437283	300.023	ug/l	98
59) 2-Hexanone	10.83	43	503726	299.329	ug/l	99
60) Dibromochloromethane	10.98	129	169866	59.977	ug/l	98
61) 1,2-Dibromoethane	11.08	107	147317	58.103	ug/l	100
64) Tetrachloroethene	10.72	164	204738	54.045	ug/l	98
65) Chlorobenzene	11.51	112	489482	53.896	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	170462	56.875	ug/l	99
67) Ethyl Benzene	11.59	91	901141	55.164	ug/l	100
68) m/p-Xylenes	11.70	106	679470	109.547	ug/l	99
69) o-Xylene	12.02	106	325198	55.731	ug/l	99
70) Styrene	12.04	104	557618	56.201	ug/l	99
71) Bromoform	12.20	173	98530	59.041	ug/l #	97
73) Isopropylbenzene	12.33	105	850945	51.981	ug/l	100
74) N-amyl acetate	12.14	43	238605	55.481	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	177818	55.138	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	139020m	53.307	ug/l	
77) Bromobenzene	12.60	156	192565	52.302	ug/l	99
78) n-propylbenzene	12.67	91	1040155	52.145	ug/l	100
79) 2-Chlorotoluene	12.75	91	574459	52.149	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	706158	52.625	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	68305	55.860	ug/l	97
82) 4-Chlorotoluene	12.85	91	598967	52.349	ug/l	99
83) tert-Butylbenzene	13.07	119	599033	53.181	ug/l	99
84) 1,2,4-Trimethylbenzene	13.11	105	705417	52.314	ug/l	99
85) sec-Butylbenzene	13.25	105	874684	52.673	ug/l	100
86) p-Isopropyltoluene	13.36	119	764795	53.226	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	375414	53.091	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	374960	52.565	ug/l	100
89) n-Butylbenzene	13.69	91	761713	52.690	ug/l	99
90) Hexachloroethane	13.95	117	144535	53.390	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	341507	52.356	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.35	75	29319	54.339	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	233416	53.016	ug/l	99
94) Hexachlorobutadiene	15.11	225	112567	53.728	ug/l	99
95) Naphthalene	15.23	128	555157	53.618	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	210503	53.613	ug/l	99

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

