

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122319\
 Data File : VY001024.D
 Acq On : 23 Dec 2019 13:39
 Operator : SY/MD
 Sample : VY1223SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1223SBS01

Manual Integrations
 APPROVED

apatel
 12/24/2019 11:06:15 AM

Quant Time: Dec 24 04:51:17 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	357286	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	617374	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	537205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	246226	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	166732	47.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.64%	
35) Dibromofluoromethane	7.72	113	171457	47.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.32%	
50) Toluene-d8	10.18	98	722567	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
62) 4-Bromofluorobenzene	12.48	95	238515	45.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	66268	21.285	ug/l	98
3) Chloromethane	2.12	50	88075	20.786	ug/l	98
4) Vinyl Chloride	2.25	62	86765	21.085	ug/l	99
5) Bromomethane	2.64	94	55073	20.286	ug/l	96
6) Chloroethane	2.79	64	52393	20.443	ug/l	94
7) Trichlorofluoromethane	3.13	101	119903	19.866	ug/l	96
8) Diethyl Ether	3.54	74	44714	18.149	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	77362	19.513	ug/l	97
10) Methyl Iodide	4.09	142	103480	18.891	ug/l	98
11) Tert butyl alcohol	4.96	59	28104	72.535	ug/l	98
12) 1,1-Dichloroethene	3.88	96	78629	19.589	ug/l	99
13) Acrolein	3.73	56	36136	75.272	ug/l	97
14) Allyl chloride	4.49	41	122654	19.671	ug/l	98
15) Acrylonitrile	5.17	53	107427	87.247	ug/l	98
16) Acetone	3.96	43	71008	87.470	ug/l	94
17) Carbon Disulfide	4.20	76	256659	19.568	ug/l	98
18) Methyl Acetate	4.48	43	51454	16.521	ug/l	98
19) Methyl tert-butyl Ether	5.22	73	184680	17.827	ug/l	94
20) Methylene Chloride	4.72	84	97751	20.457	ug/l	98
21) trans-1,2-Dichloroethene	5.22	96	90604	20.368	ug/l	99
22) Diisopropyl ether	6.13	45	245386	19.470	ug/l	97
23) Vinyl Acetate	6.07	43	730486	91.774	ug/l	99
24) 1,1-Dichloroethane	6.03	63	145104	19.482	ug/l	97
25) 2-Butanone	7.00	43	118291	82.946	ug/l	97
26) 2,2-Dichloropropane	6.99	77	118418	19.352	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	96076	19.659	ug/l	99
28) Bromochloromethane	7.34	49	50285	17.303	ug/l	100
29) Tetrahydrofuran	7.35	42	81761	80.598	ug/l	98
30) Chloroform	7.52	83	139360	19.788	ug/l	100
31) Cyclohexane	7.78	56	153400	19.587	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	118860	19.784	ug/l	100
36) 1,1-Dichloropropene	7.92	75	119513	20.292	ug/l	99
37) Ethyl Acetate	7.08	43	52098	15.975	ug/l	97
38) Carbon Tetrachloride	7.91	117	102753	19.912	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	161625	20.665	ug/l	98
40) Benzene	8.16	78	352343	19.830	ug/l	99
41) Methacrylonitrile	7.32	41	28008m	19.809	ug/l	
42) 1,2-Dichloroethane	8.24	62	83300	19.609	ug/l	99
43) Isopropyl Acetate	8.28	43	102767	17.023	ug/l	98
44) Trichloroethene	8.94	130	93200	19.908	ug/l	96
45) 1,2-Dichloropropane	9.22	63	86467	19.398	ug/l	97
46) Dibromomethane	9.31	93	43582	18.967	ug/l	98
47) Bromodichloromethane	9.50	83	102731	19.301	ug/l	99
48) Methyl methacrylate	9.30	41	43854	17.023	ug/l	99
49) 1,4-Dioxane	9.30	88	10279	305.806	ug/l #	87
51) 4-Methyl-2-Pentanone	10.07	43	261177	83.004	ug/l	100
52) Toluene	10.24	92	214634	19.626	ug/l	96
53) t-1,3-Dichloropropene	10.47	75	106810	18.491	ug/l	96
54) cis-1,3-Dichloropropene	9.92	75	135114	19.452	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	63987	18.653	ug/l	100
56) Ethyl methacrylate	10.51	69	85272	17.466	ug/l	98
57) 1,3-Dichloropropane	10.79	76	109816	18.264	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.78	63	163703	86.814	ug/l	98
59) 2-Hexanone	10.83	43	177064	81.325	ug/l	99
60) Dibromochloromethane	10.99	129	67868	18.522	ug/l	99
61) 1,2-Dibromoethane	11.08	107	59766	18.220	ug/l	96
64) Tetrachloroethene	10.72	164	95718	20.593	ug/l	98
65) Chlorobenzene	11.52	112	223841	20.087	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	73299	19.933	ug/l	99
67) Ethyl Benzene	11.59	91	409621	20.437	ug/l	100
68) m/p-Xylenes	11.70	106	310956	40.860	ug/l	99
69) o-Xylene	12.03	106	147378	20.585	ug/l	100
70) Styrene	12.04	104	244741	20.104	ug/l	99
71) Bromoform	12.20	173	38033	18.575	ug/l #	97
73) Isopropylbenzene	12.33	105	394184	20.688	ug/l	100
74) N-amyl acetate	12.14	43	89477	17.875	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	66529	17.724	ug/l	96
76) 1,2,3-Trichloropropane	12.63	75	44216m	14.566	ug/l	
77) Bromobenzene	12.61	156	83457	19.475	ug/l	99
78) n-propylbenzene	12.67	91	473845	20.409	ug/l	99
79) 2-Chlorotoluene	12.75	91	260826	20.342	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	323075	20.685	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	25019	17.579	ug/l	98
82) 4-Chlorotoluene	12.85	91	269432	20.231	ug/l	100
83) tert-Butylbenzene	13.07	119	270987	20.669	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	323489	20.611	ug/l	100
85) sec-Butylbenzene	13.25	105	405246	20.967	ug/l	99
86) p-Isopropyltoluene	13.36	119	352718	21.090	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	167859	20.395	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	167565	20.182	ug/l	98
89) n-Butylbenzene	13.69	91	360217	21.408	ug/l	99
90) Hexachloroethane	13.96	117	64691	20.531	ug/l	100
91) 1,2-Dichlorobenzene	13.73	146	152231	20.051	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	10490	16.703	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	106586	20.799	ug/l	100
94) Hexachlorobutadiene	15.11	225	53081	21.767	ug/l	99
95) Naphthalene	15.23	128	225366	18.700	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	89110	19.499	ug/l	98

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

