

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122319\
 Data File : VY001020.D
 Acq On : 23 Dec 2019 11:27
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 12/24/2019 11:05:58 AM

Quant Time: Dec 23 11:47:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 11:38:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	317440	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	552836	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	494380	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	226081	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	327303	104.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	209.04%	
35) Dibromofluoromethane	7.73	113	333151	100.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.36%	
50) Toluene-d8	10.18	98	1375332	109.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	218.18%	
62) 4-Bromofluorobenzene	12.47	95	451978	93.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	186.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	265703	92.713	ug/l	99
3) Chloromethane	2.12	50	357854	91.246	ug/l	98
4) Vinyl Chloride	2.25	62	349830	92.025	ug/l	97
5) Bromomethane	2.63	94	210253	86.872	ug/l	100
6) Chloroethane	2.79	64	218791	92.517	ug/l	92
7) Trichlorofluoromethane	3.13	101	516503	93.522	ug/l	98
8) Diethyl Ether	3.53	74	217809	97.730	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	345204	95.312	ug/l	99
10) Methyl Iodide	4.10	142	518823	108.619	ug/l	100
11) Tert butyl alcohol	4.96	59	161713	451.112	ug/l	100
12) 1,1-Dichloroethene	3.87	96	353102	97.118	ug/l	96
13) Acrolein	3.74	56	227085	535.321	ug/l	99
14) Allyl chloride	4.49	41	543679	95.447	ug/l	99
15) Acrylonitrile	5.18	53	551996	497.086	ug/l	99
16) Acetone	3.95	43	348334	467.033	ug/l	98
17) Carbon Disulfide	4.19	76	1177686	100.041	ug/l	98
18) Methyl Acetate	4.49	43	276071	98.210	ug/l	98
19) Methyl tert-butyl Ether	5.23	73	916672	97.805	ug/l	98
20) Methylene Chloride	4.72	84	392188	87.788	ug/l	92
21) trans-1,2-Dichloroethene	5.22	96	392648	97.474	ug/l	95
22) Diisopropyl ether	6.13	45	1062516	90.734	ug/l	98
23) Vinyl Acetate	6.07	43	3435280	467.755	ug/l	99
24) 1,1-Dichloroethane	6.03	63	642740	94.280	ug/l	99
25) 2-Butanone	7.00	43	623610	479.000	ug/l	96
26) 2,2-Dichloropropane	6.99	77	519159	91.818	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	428780	96.600	ug/l	99
28) Bromochloromethane	7.35	49	271455	104.716	ug/l	94
29) Tetrahydrofuran	7.36	42	432791	461.648	ug/l	98
30) Chloroform	7.52	83	615314	95.958	ug/l	99
31) Cyclohexane	7.79	56	633693	85.882	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	525993	96.715	ug/l	98
36) 1,1-Dichloropropene	7.93	75	521493	95.907	ug/l	99
37) Ethyl Acetate	7.08	43	282269	92.830	ug/l	98
38) Carbon Tetrachloride	7.91	117	464136	98.652	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	699147	97.631	ug/l	98
40) Benzene	8.17	78	1579675	96.646	ug/l	97
41) Methacrylonitrile	7.33	41	133653m	106.122	ug/l	
42) 1,2-Dichloroethane	8.24	62	379510	97.397	ug/l	100
43) Isopropyl Acetate	8.28	43	551160	100.053	ug/l	100
44) Trichloroethene	8.94	130	414328	95.885	ug/l	100
45) 1,2-Dichloropropane	9.22	63	396073	96.405	ug/l	97
46) Dibromomethane	9.31	93	208489	99.451	ug/l	100
47) Bromodichloromethane	9.50	83	482116	99.465	ug/l	100
48) Methyl methacrylate	9.30	41	238130	102.033	ug/l	99
49) 1,4-Dioxane	9.30	88	60727	1989.783	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	1392178	477.839	ug/l	99
52) Toluene	10.24	92	966527	95.594	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	533380	102.396	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	627325	98.869	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	307844	97.875	ug/l	96
56) Ethyl methacrylate	10.51	69	459432	104.735	ug/l	99
57) 1,3-Dichloropropane	10.79	76	537413	97.325	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	836474	477.300	ug/l	99
59) 2-Hexanone	10.83	43	980228	490.006	ug/l	99
60) Dibromochloromethane	10.99	129	339416	103.028	ug/l	99
61) 1,2-Dibromoethane	11.09	107	299909	100.856	ug/l	99
64) Tetrachloroethene	10.72	164	404869	90.051	ug/l	99
65) Chlorobenzene	11.51	112	998683	94.336	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	342810	99.551	ug/l	99
67) Ethyl Benzene	11.59	91	1811912	95.308	ug/l	99
68) m/p-Xylenes	11.70	106	1385039	192.078	ug/l	100
69) o-Xylene	12.02	106	651180	95.896	ug/l	100
70) Styrene	12.04	104	1124725	98.281	ug/l	100
71) Bromoform	12.20	173	203041	109.382	ug/l #	100
73) Isopropylbenzene	12.33	105	1701260	94.728	ug/l	99
74) N-amyl acetate	12.14	43	466655	100.162	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	349764	100.562	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	277546m	93.632	ug/l	
77) Bromobenzene	12.60	156	387071	95.782	ug/l	99
78) n-propylbenzene	12.67	91	2073964	94.757	ug/l	99
79) 2-Chlorotoluene	12.75	91	1136162	93.403	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	1399291	94.928	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	138404	107.886	ug/l	99
82) 4-Chlorotoluene	12.85	91	1190821	94.602	ug/l	99
83) tert-Butylbenzene	13.07	119	1159241	93.434	ug/l	99
84) 1,2,4-Trimethylbenzene	13.11	105	1392967	93.503	ug/l	99
85) sec-Butylbenzene	13.25	105	1700708	92.707	ug/l	100
86) p-Isopropyltoluene	13.36	119	1474263	92.452	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	722780	91.870	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	737312	93.307	ug/l	99
89) n-Butylbenzene	13.69	91	1475651	92.029	ug/l	99
90) Hexachloroethane	13.95	117	290997	99.281	ug/l	100
91) 1,2-Dichlorobenzene	13.73	146	674947	93.581	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	56124	94.919	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	452450	92.782	ug/l	100
94) Hexachlorobutadiene	15.11	225	212817	91.386	ug/l	99
95) Naphthalene	15.23	128	1106568	98.475	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	405312	93.686	ug/l	100

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

