

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122319\
 Data File : VY001018.D
 Acq On : 23 Dec 2019 10:44
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 12/24/2019 11:05:55 AM

Quant Time: Dec 23 11:37:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 11:25:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	321226	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	556191	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	500621	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	228963	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	62820	19.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.44%	
35) Dibromofluoromethane	7.73	113	70126	21.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.16%	
50) Toluene-d8	10.18	98	244240	19.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.26%	
62) 4-Bromofluorobenzene	12.47	95	100799	21.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	60524	20.224	ug/l	99
3) Chloromethane	2.11	50	79167	20.145	ug/l	96
4) Vinyl Chloride	2.26	62	77572	20.250	ug/l	94
5) Bromomethane	2.64	94	46323	19.903	ug/l	96
6) Chloroethane	2.79	64	48828	20.623	ug/l	98
7) Trichlorofluoromethane	3.13	101	112122	20.262	ug/l	100
8) Diethyl Ether	3.53	74	45817	20.852	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	74060	20.665	ug/l	99
10) Methyl Iodide	4.10	142	95873	19.943	ug/l	98
11) Tert butyl alcohol	4.97	59	32795	94.107	ug/l #	92
12) 1,1-Dichloroethene	3.88	96	73974	20.550	ug/l	89
13) Acrolein	3.74	56	38819	99.377	ug/l	99
14) Allyl chloride	4.49	41	114630	19.825	ug/l	98
15) Acrylonitrile	5.18	53	112522	101.567	ug/l	98
16) Acetone	3.95	43	72656	98.259	ug/l	92
17) Carbon Disulfide	4.19	76	239600	20.446	ug/l	100
18) Methyl Acetate	4.48	43	57941	19.837	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	189598	20.198	ug/l	98
20) Methylene Chloride	4.72	84	86231	20.188	ug/l	93
21) trans-1,2-Dichloroethene	5.23	96	81440	20.369	ug/l	94
22) Diisopropyl ether	6.13	45	239096	20.402	ug/l	99
23) Vinyl Acetate	6.07	43	734750	100.006	ug/l	97
24) 1,1-Dichloroethane	6.03	63	135391	19.931	ug/l	99
25) 2-Butanone	7.00	43	130741	98.255	ug/l	97
26) 2,2-Dichloropropane	6.99	77	109049	19.377	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	88988	20.246	ug/l	98
28) Bromochloromethane	7.35	49	49707	18.958	ug/l	96
29) Tetrahydrofuran	7.36	42	92576	99.220	ug/l	98
30) Chloroform	7.52	83	128291	19.929	ug/l	97
31) Cyclohexane	7.79	56	141347	19.689	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	107267	19.516	ug/l	99
36) 1,1-Dichloropropene	7.92	75	107575	19.922	ug/l	98
37) Ethyl Acetate	7.08	43	62139	20.539	ug/l	99
38) Carbon Tetrachloride	7.91	117	95877	20.238	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	146737	20.486	ug/l	98
40) Benzene	8.17	78	327639	20.320	ug/l	96
41) Methacrylonitrile	7.32	41	27674m	9.872	ug/l	
42) 1,2-Dichloroethane	8.24	62	78365	19.899	ug/l	98
43) Isopropyl Acetate	8.28	43	109478	19.600	ug/l	97
44) Trichloroethene	8.94	130	86674	20.548	ug/l	87
45) 1,2-Dichloropropane	9.22	63	81392	20.109	ug/l	95
46) Dibromomethane	9.31	93	42389	20.334	ug/l	99
47) Bromodichloromethane	9.50	83	94308	19.360	ug/l	97
48) Methyl methacrylate	9.30	41	46425	19.346	ug/l	97
49) 1,4-Dioxane	9.30	88	11507	382.979	ug/l	93
51) 4-Methyl-2-Pentanone	10.07	43	291304	99.463	ug/l	100
52) Toluene	10.24	92	203001	20.343	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	108079	20.469	ug/l	93
54) cis-1,3-Dichloropropene	9.93	75	126804	20.018	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	63240	20.301	ug/l	94
56) Ethyl methacrylate	10.51	69	89113	19.969	ug/l	98
57) 1,3-Dichloropropane	10.79	76	111497	20.461	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	169431	97.855	ug/l	100
59) 2-Hexanone	10.83	43	203416	98.783	ug/l	99
60) Dibromochloromethane	10.98	129	67855	20.366	ug/l	96
61) 1,2-Dibromoethane	11.08	107	59021	20.011	ug/l	95
64) Tetrachloroethene	10.72	164	91452	21.041	ug/l	97
65) Chlorobenzene	11.51	112	210053	20.048	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.58	131	69581	20.088	ug/l	100
67) Ethyl Benzene	11.59	91	379778	19.960	ug/l	99
68) m/p-Xylenes	11.70	106	289589	40.324	ug/l	99
69) o-Xylene	12.02	106	135984	20.081	ug/l	99
70) Styrene	12.04	104	231921	20.153	ug/l	99
71) Bromoform	12.20	173	37867	19.630	ug/l #	97
73) Isopropylbenzene	12.33	105	356738	19.676	ug/l	99
74) N-amyl acetate	12.14	43	94038	19.541	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	69133	19.494	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	58474m	15.040	ug/l	
77) Bromobenzene	12.60	156	80619	20.017	ug/l	99
78) n-propylbenzene	12.67	91	436006	19.780	ug/l	100
79) 2-Chlorotoluene	12.75	91	241967	19.834	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	292732	19.736	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	27039	20.192	ug/l	98
82) 4-Chlorotoluene	12.85	91	249559	19.778	ug/l	100
83) tert-Butylbenzene	13.07	119	244411	19.493	ug/l	99
84) 1,2,4-Trimethylbenzene	13.11	105	294154	19.769	ug/l	99
85) sec-Butylbenzene	13.25	105	368875	20.103	ug/l	100
86) p-Isopropyltoluene	13.36	119	317070	19.937	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	158178	20.439	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	156387	20.088	ug/l	96
89) n-Butylbenzene	13.69	91	319977	19.924	ug/l	99
90) Hexachloroethane	13.95	117	58870	19.754	ug/l	100
91) 1,2-Dichlorobenzene	13.73	146	141035	19.820	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	12313	20.716	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	98230	20.484	ug/l	100
94) Hexachlorobutadiene	15.10	225	46454	20.323	ug/l	98
95) Naphthalene	15.23	128	227556	20.282	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	87614	20.553	ug/l	97

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

