

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY123019\
 Data File : VY001119.D
 Acq On : 30 Dec 2019 12:49
 Operator : SY/MD
 Sample : VY1230SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1230SBS01

Manual Integrations
 APPROVED

apatel
 12/31/2019 11:47:46 AM

Quant Time: Dec 31 05:53:58 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	298674	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	521287	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	459858	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	210221	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	139969	47.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.04%	
35) Dibromofluoromethane	7.72	113	149166	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
50) Toluene-d8	10.18	98	612599	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
62) 4-Bromofluorobenzene	12.48	95	198170	45.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	54490	20.937	ug/l	99
3) Chloromethane	2.12	50	58132	16.412	ug/l	93
4) Vinyl Chloride	2.26	62	58488	17.003	ug/l	94
5) Bromomethane	2.64	94	37822	16.664	ug/l	100
6) Chloroethane	2.79	64	34860	16.271	ug/l	98
7) Trichlorofluoromethane	3.13	101	103748	20.563	ug/l	94
8) Diethyl Ether	3.53	74	41944	20.366	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.91	101	68763	20.748	ug/l	97
10) Methyl Iodide	4.09	142	91474	19.977	ug/l	99
11) Tert butyl alcohol	4.96	59	30805	95.108	ug/l	100
12) 1,1-Dichloroethene	3.88	96	70837	21.112	ug/l	94
13) Acrolein	3.73	56	36285	90.415	ug/l	96
14) Allyl chloride	4.49	41	94693	18.166	ug/l	96
15) Acrylonitrile	5.18	53	101234	98.352	ug/l	100
16) Acetone	3.96	43	69902	103.006	ug/l	99
17) Carbon Disulfide	4.19	76	226634	20.670	ug/l	96
18) Methyl Acetate	4.48	43	46493	17.857	ug/l	93
19) Methyl tert-butyl Ether	5.22	73	171450	19.797	ug/l	99
20) Methylene Chloride	4.72	84	91128	22.814	ug/l	88
21) trans-1,2-Dichloroethene	5.23	96	80304	21.595	ug/l	94
22) Diisopropyl ether	6.13	45	199004	18.888	ug/l	96
23) Vinyl Acetate	6.07	43	620829	93.303	ug/l	97
24) 1,1-Dichloroethane	6.03	63	122671	19.702	ug/l	97
25) 2-Butanone	6.99	43	109380	91.749	ug/l	90
26) 2,2-Dichloropropane	6.99	77	101369	19.817	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	85489	20.926	ug/l	96
28) Bromochloromethane	7.34	49	41730	17.178	ug/l	91
29) Tetrahydrofuran	7.36	42	75237	88.721	ug/l	93
30) Chloroform	7.52	83	117317	19.927	ug/l	97
31) Cyclohexane	7.79	56	124669	19.042	ug/l	88
32) 1,1,1-Trichloroethane	7.71	97	100467	20.004	ug/l	98
36) 1,1-Dichloropropene	7.93	75	101911	20.493	ug/l	98
37) Ethyl Acetate	7.08	43	50688	18.408	ug/l	97
38) Carbon Tetrachloride	7.91	117	89634	20.572	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	135701	20.548	ug/l	94
40) Benzene	8.16	78	309899	20.656	ug/l	98
41) Methacrylonitrile	7.32	41	23661m	19.819	ug/l	
42) 1,2-Dichloroethane	8.24	62	71243	19.862	ug/l	98
43) Isopropyl Acetate	8.28	43	90990	17.850	ug/l	93
44) Trichloroethene	8.94	130	81682	20.663	ug/l	95
45) 1,2-Dichloropropane	9.22	63	74390	19.765	ug/l	99
46) Dibromomethane	9.31	93	39915	20.573	ug/l	94
47) Bromodichloromethane	9.50	83	88203	19.626	ug/l	96
48) Methyl methacrylate	9.30	41	37872	17.410	ug/l	87
49) 1,4-Dioxane	9.31	88	11263	396.844	ug/l #	95
51) 4-Methyl-2-Pentanone	10.07	43	241564	90.922	ug/l	97
52) Toluene	10.24	92	195297	21.149	ug/l	99
53) t-1,3-Dichloropropene	10.46	75	96807	19.848	ug/l	93
54) cis-1,3-Dichloropropene	9.93	75	115044	19.616	ug/l	95
55) 1,1,2-Trichloroethane	10.64	97	58410	20.166	ug/l	94
56) Ethyl methacrylate	10.51	69	80673	19.570	ug/l	94
57) 1,3-Dichloropropane	10.79	76	103167	20.321	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	160666	100.908	ug/l	98
59) 2-Hexanone	10.83	43	162082	88.166	ug/l	94
60) Dibromochloromethane	10.99	129	63196	20.426	ug/l	98
61) 1,2-Dibromoethane	11.09	107	56949	20.561	ug/l	97
64) Tetrachloroethene	10.72	164	84713	21.291	ug/l	98
65) Chlorobenzene	11.52	112	201110	21.083	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	65700	20.871	ug/l	98
67) Ethyl Benzene	11.59	91	350769	20.444	ug/l	98
68) m/p-Xylenes	11.70	106	277613	42.614	ug/l	95
69) o-Xylene	12.03	106	131137	21.397	ug/l	95
70) Styrene	12.04	104	218819	20.998	ug/l	98
71) Bromoform	12.20	173	35830	20.442	ug/l #	99
73) Isopropylbenzene	12.33	105	334552	20.565	ug/l	97
74) N-amyl acetate	12.14	43	75872	17.753	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	65669	20.491	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	45780m	17.665	ug/l	
77) Bromobenzene	12.61	156	76383	20.877	ug/l	95
78) n-propylbenzene	12.67	91	407736	20.569	ug/l	99
79) 2-Chlorotoluene	12.75	91	217769	19.893	ug/l	96
80) 1,3,5-Trimethylbenzene	12.81	105	277953	20.844	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	24523	20.181	ug/l	95
82) 4-Chlorotoluene	12.85	91	222757	19.591	ug/l	97
83) tert-Butylbenzene	13.07	119	233546	20.864	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	273740	20.429	ug/l	97
85) sec-Butylbenzene	13.25	105	336986	20.421	ug/l	99
86) p-Isopropyltoluene	13.37	119	297427	20.830	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	148818	21.178	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	145769	20.564	ug/l	98
89) n-Butylbenzene	13.69	91	292024	20.327	ug/l	98
90) Hexachloroethane	13.95	117	55460	20.616	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	133971	20.668	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10149	18.928	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	93570	21.387	ug/l	98
94) Hexachlorobutadiene	15.11	225	43761	21.019	ug/l	99
95) Naphthalene	15.23	128	215864	20.980	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	83420	21.380	ug/l	100

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

