

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011520\
 Data File : VY001237.D
 Acq On : 15 Jan 2020 23:21
 Operator : SY/MD
 Sample : VY0115SBS02
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS02

Manual Integrations
 APPROVED

MMDadoda
 1/16/2020 9:36:45 AM

Quant Time: Jan 16 06:47:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	172331	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	306318	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	269231	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	124967	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	98972	54.38	ug/l	0.00
Spiked Amount			Recovery	=	108.76%	
35) Dibromofluoromethane	7.73	113	91026	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
50) Toluene-d8	10.18	98	373358	54.03	ug/l	0.00
Spiked Amount			Recovery	=	108.06%	
62) 4-Bromofluorobenzene	12.48	95	133274	47.17	ug/l	0.00
Spiked Amount			Recovery	=	94.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	30771	23.250	ug/l	98
3) Chloromethane	2.12	50	44205	23.172	ug/l	99
4) Vinyl Chloride	2.26	62	45701	23.779	ug/l	98
5) Bromomethane	2.65	94	32194	31.185	ug/l	93
6) Chloroethane	2.79	64	29154	26.257	ug/l	99
7) Trichlorofluoromethane	3.13	101	58150	21.737	ug/l	96
8) Diethyl Ether	3.54	74	25258	24.298	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	37172	21.587	ug/l	99
10) Methyl Iodide	4.10	142	49585	21.038	ug/l	98
11) Tert butyl alcohol	4.97	59	26963	147.236	ug/l	99
12) 1,1-Dichloroethene	3.88	96	39132	22.212	ug/l	96
13) Acrolein	3.74	56	18575	112.670	ug/l	99
14) Allyl chloride	4.49	41	68877	23.165	ug/l	98
15) Acrylonitrile	5.18	53	63016	121.213	ug/l	99
16) Acetone	3.96	43	51397	121.590	ug/l	98
17) Carbon Disulfide	4.20	76	126459	22.178	ug/l	100
18) Methyl Acetate	4.49	43	33475	23.952	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	113770	23.346	ug/l	98
20) Methylene Chloride	4.72	84	55488	25.457	ug/l	97
21) trans-1,2-Dichloroethene	5.23	96	45217	22.636	ug/l	96
22) Diisopropyl ether	6.13	45	140890	23.199	ug/l	98
23) Vinyl Acetate	6.07	43	458370	118.016	ug/l	100
24) 1,1-Dichloroethane	6.04	63	77240	23.232	ug/l	98
25) 2-Butanone	7.00	43	84340	128.199	ug/l	98
26) 2,2-Dichloropropane	6.99	77	62740	20.521	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	51304	23.439	ug/l	98
28) Bromochloromethane	7.35	49	26739	19.585	ug/l	99
29) Tetrahydrofuran	7.36	42	55776	123.714	ug/l	95
30) Chloroform	7.52	83	74996	23.021	ug/l	100
31) Cyclohexane	7.80	56	74015	21.026	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	63595	22.002	ug/l	99
36) 1,1-Dichloropropene	7.93	75	59180	21.197	ug/l	100
37) Ethyl Acetate	7.09	43	38078	23.240	ug/l	99
38) Carbon Tetrachloride	7.91	117	54135	21.158	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	76990	20.341	ug/l	97
40) Benzene	8.17	78	184338	22.619	ug/l	96
41) Methacrylonitrile	7.33	41	19449m	25.269	ug/l	
42) 1,2-Dichloroethane	8.25	62	50940	22.322	ug/l	99
43) Isopropyl Acetate	8.28	43	70937	22.641	ug/l	99
44) Trichloroethene	8.94	130	47305	22.276	ug/l	99
45) 1,2-Dichloropropane	9.22	63	46302	22.981	ug/l	96
46) Dibromomethane	9.31	93	24972	22.716	ug/l	99
47) Bromodichloromethane	9.50	83	58849	21.966	ug/l	98
48) Methyl methacrylate	9.30	41	33088	22.821	ug/l	99
49) 1,4-Dioxane	9.31	88	7275	543.418	ug/l	92
51) 4-Methyl-2-Pentanone	10.07	43	182060	114.519	ug/l	100
52) Toluene	10.25	92	114698	22.066	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	63554	21.199	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	73670	21.796	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	36846	22.609	ug/l	95
56) Ethyl methacrylate	10.51	69	53495	21.459	ug/l	98
57) 1,3-Dichloropropane	10.79	76	63632	22.744	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	95885	109.360	ug/l	100
59) 2-Hexanone	10.83	43	128502	115.334	ug/l	99
60) Dibromochloromethane	10.99	129	40882	21.788	ug/l	99
61) 1,2-Dibromoethane	11.09	107	35260	22.158	ug/l	98
64) Tetrachloroethene	10.72	164	38742	22.323	ug/l	98
65) Chlorobenzene	11.52	112	119589	22.230	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	42103	22.708	ug/l	99
67) Ethyl Benzene	11.59	91	215739	21.922	ug/l	100
68) m/p-Xylenes	11.70	106	166188	44.766	ug/l	98
69) o-Xylene	12.03	106	78621	22.089	ug/l	99
70) Styrene	12.04	104	137883	22.078	ug/l	98
71) Bromoform	12.20	173	24227	21.188	ug/l #	99
73) Isopropylbenzene	12.33	105	205411	21.865	ug/l	99
74) N-amyl acetate	12.14	43	65807	22.445	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	45272	22.904	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	30448m	22.760	ug/l	
77) Bromobenzene	12.61	156	47763	23.009	ug/l	95
78) n-propylbenzene	12.67	91	249437	22.073	ug/l	99
79) 2-Chlorotoluene	12.75	91	141764	21.844	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	171169	21.836	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	16016	20.302	ug/l #	98
82) 4-Chlorotoluene	12.85	91	146752	21.181	ug/l	97
83) tert-Butylbenzene	13.07	119	149004	22.622	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	174002	22.353	ug/l	100
85) sec-Butylbenzene	13.25	105	207778	21.928	ug/l	100
86) p-Isopropyltoluene	13.37	119	181739	22.090	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	90310	23.004	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	89539	22.160	ug/l	100
89) n-Butylbenzene	13.69	91	177727	21.449	ug/l	99
90) Hexachloroethane	13.96	117	34605	21.527	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	82372	22.576	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.36	75	7199	20.191	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	51910	21.593	ug/l	98
94) Hexachlorobutadiene	15.11	225	26010	21.477	ug/l	97
95) Naphthalene	15.23	128	123384	22.046	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	46568	21.980	ug/l	99

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

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