

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020720\
 Data File : VY001553.D
 Acq On : 07 Feb 2020 14:54
 Operator : SY/MD
 Sample : VY0207SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0207SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/10/2020 11:27:15 AM

Quant Time: Feb 08 02:54:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	202879	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	353265	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	322797	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	153608	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	108363	53.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.10%	
35) Dibromofluoromethane	7.74	113	98123	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	
50) Toluene-d8	10.19	98	409158	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	
62) 4-Bromofluorobenzene	12.49	95	147229	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	34930	17.589	ug/l	100
3) Chloromethane	2.12	50	46290	22.302	ug/l	93
4) Vinyl Chloride	2.26	62	47960	22.253	ug/l	100
5) Bromomethane	2.66	94	32466	23.953	ug/l	96
6) Chloroethane	2.80	64	30138	23.199	ug/l	99
7) Trichlorofluoromethane	3.14	101	64442	18.064	ug/l	99
8) Diethyl Ether	3.55	74	25606	21.270	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.92	101	41028	19.114	ug/l	98
10) Methyl Iodide	4.11	142	49126	17.962	ug/l	97
11) Tert butyl alcohol	4.98	59	26899	96.314	ug/l	100
12) 1,1-Dichloroethene	3.89	96	41428	19.422	ug/l	96
13) Acrolein	3.75	56	20806	107.569	ug/l	97
14) Allyl chloride	4.50	41	70987	21.755	ug/l	96
15) Acrylonitrile	5.19	53	66471	120.443	ug/l	98
16) Acetone	3.97	43	59087	100.000	ug/l	94
17) Carbon Disulfide	4.21	76	132219	19.472	ug/l	100
18) Methyl Acetate	4.51	43	31283	24.810	ug/l	95
19) Methyl tert-butyl Ether	5.25	73	114655	20.213	ug/l	95
20) Methylene Chloride	4.74	84	49867	18.584	ug/l	88
21) trans-1,2-Dichloroethene	5.25	96	46638	19.668	ug/l	97
22) Diisopropyl ether	6.14	45	148345	22.947	ug/l	95
23) Vinyl Acetate	6.08	43	482187	117.167	ug/l	96
24) 1,1-Dichloroethane	6.04	63	78359	20.152	ug/l	97
25) 2-Butanone	7.01	43	90194	117.660	ug/l	92
26) 2,2-Dichloropropane	7.00	77	68799	18.487	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	51085	19.725	ug/l	97
28) Bromochloromethane	7.36	49	28985	21.881	ug/l	90
29) Tetrahydrofuran	7.37	42	58315	126.922	ug/l	92
30) Chloroform	7.52	83	75261	19.108	ug/l	98
31) Cyclohexane	7.80	56	83211	20.920	ug/l	96
32) 1,1,1-Trichloroethane	7.72	97	66246	18.551	ug/l	97
36) 1,1-Dichloropropene	7.94	75	62810	19.436	ug/l	100
37) Ethyl Acetate	7.10	43	39041	24.955	ug/l #	95
38) Carbon Tetrachloride	7.92	117	57736	18.466	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	84250	19.799	ug/l	95
40) Benzene	8.18	78	188146	20.411	ug/l	98
41) Methacrylonitrile	7.34	41	22089m	30.464	ug/l	
42) 1,2-Dichloroethane	8.25	62	52955	20.620	ug/l	98
43) Isopropyl Acetate	8.29	43	75490	24.371	ug/l	95
44) Trichloroethene	8.95	130	47672	19.187	ug/l	98
45) 1,2-Dichloropropane	9.23	63	47878	21.510	ug/l	96
46) Dibromomethane	9.32	93	25697	20.559	ug/l	98
47) Bromodichloromethane	9.51	83	59780	19.630	ug/l	100
48) Methyl methacrylate	9.30	41	33766	24.018	ug/l	91
49) 1,4-Dioxane	9.30	88	6506	394.142	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	192317	126.072	ug/l	94
52) Toluene	10.25	92	117438	20.079	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	65691	19.804	ug/l	96
54) cis-1,3-Dichloropropene	9.94	75	75894	19.930	ug/l	94
55) 1,1,2-Trichloroethane	10.65	97	37178	20.732	ug/l	95
56) Ethyl methacrylate	10.52	69	55953	21.937	ug/l	94
57) 1,3-Dichloropropane	10.80	76	65924	20.854	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	100001	106.575	ug/l	95
59) 2-Hexanone	10.84	43	136283	122.873	ug/l	96
60) Dibromochloromethane	10.99	129	41028	19.409	ug/l	99
61) 1,2-Dibromoethane	11.10	107	35612	20.162	ug/l	98
64) Tetrachloroethene	10.72	164	38972	18.410	ug/l	98
65) Chlorobenzene	11.52	112	122884	19.388	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	41960	18.916	ug/l	99
67) Ethyl Benzene	11.60	91	228447	19.494	ug/l	100
68) m/p-Xylenes	11.70	106	173575	39.455	ug/l	96
69) o-Xylene	12.03	106	80713	19.458	ug/l	100
70) Styrene	12.05	104	142377	19.849	ug/l	98
71) Bromoform	12.22	173	23800	19.268	ug/l	# 98
73) Isopropylbenzene	12.34	105	216076	18.444	ug/l	98
74) N-amyl acetate	12.15	43	69678	22.888	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.59	83	46936	21.087	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	35137m	21.271	ug/l	
77) Bromobenzene	12.61	156	48386	19.085	ug/l	97
78) n-propylbenzene	12.68	91	267723	19.089	ug/l	99
79) 2-Chlorotoluene	12.77	91	146556	18.332	ug/l	97
80) 1,3,5-Trimethylbenzene	12.82	105	182632	18.511	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.39	75	16567	19.406	ug/l	94
82) 4-Chlorotoluene	12.86	91	157516	18.792	ug/l	100
83) tert-Butylbenzene	13.08	119	154544	18.531	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	184380	18.881	ug/l	100
85) sec-Butylbenzene	13.26	105	225275	19.212	ug/l	100
86) p-Isopropyltoluene	13.38	119	195391	18.910	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	94536	19.456	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	94924	19.501	ug/l	100
89) n-Butylbenzene	13.70	91	200072	19.624	ug/l	99
90) Hexachloroethane	13.97	117	35723	18.012	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	85999	19.531	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	7458	18.150	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	57648	19.428	ug/l	98
94) Hexachlorobutadiene	15.13	225	28322	18.806	ug/l	98
95) Naphthalene	15.25	128	131286	18.826	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	51381	19.616	ug/l	97

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

