

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020420\
 Data File : VY001490.D
 Acq On : 04 Feb 2020 16:37
 Operator : SY/MD
 Sample : VY0204SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampled :
 VY0204SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/5/2020 12:23:59 PM

Quant Time: Feb 04 17:34:03 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	248447	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	424906	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	379199	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	179186	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	130094	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	
35) Dibromofluoromethane	7.74	113	123798	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
50) Toluene-d8	10.18	98	489127	52.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.52%	
62) 4-Bromofluorobenzene	12.48	95	181727	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	47279	19.441	ug/l	99
3) Chloromethane	2.12	50	49865	19.618	ug/l	96
4) Vinyl Chloride	2.26	62	51578	19.542	ug/l	96
5) Bromomethane	2.65	94	32352	19.491	ug/l	100
6) Chloroethane	2.80	64	30945	19.451	ug/l	95
7) Trichlorofluoromethane	3.14	101	84764	19.402	ug/l	99
8) Diethyl Ether	3.55	74	29331	19.896	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.92	101	52075	19.811	ug/l	99
10) Methyl Iodide	4.11	142	62489	18.657	ug/l	98
11) Tert butyl alcohol	4.99	59	41801	132.738	ug/l	95
12) 1,1-Dichloroethene	3.90	96	50662	19.395	ug/l	96
13) Acrolein	3.75	56	25946	109.540	ug/l	100
14) Allyl chloride	4.51	41	78875	19.739	ug/l	99
15) Acrylonitrile	5.19	53	72103	106.686	ug/l	99
16) Acetone	3.97	43	72476	100.162	ug/l	97
17) Carbon Disulfide	4.22	76	161709	19.447	ug/l	97
18) Methyl Acetate	4.51	43	34807	22.542	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	143342	20.635	ug/l	99
20) Methylene Chloride	4.75	84	62812	19.264	ug/l	96
21) trans-1,2-Dichloroethene	5.24	96	57052	19.647	ug/l	98
22) Diisopropyl ether	6.14	45	159666	20.168	ug/l	97
23) Vinyl Acetate	6.09	43	524706	104.114	ug/l	100
24) 1,1-Dichloroethane	6.04	63	94008	19.742	ug/l	98
25) 2-Butanone	7.01	43	101136	107.736	ug/l	100
26) 2,2-Dichloropropane	7.00	77	89513	19.641	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	63024	19.871	ug/l	99
28) Bromochloromethane	7.35	49	30665	18.903	ug/l	100
29) Tetrahydrofuran	7.36	42	63167	112.266	ug/l	99
30) Chloroform	7.53	83	95657	19.832	ug/l	97
31) Cyclohexane	7.80	56	94399	19.380	ug/l	99
32) 1,1,1-Trichloroethane	7.72	97	86035	19.673	ug/l	99
36) 1,1-Dichloropropene	7.93	75	77527	19.945	ug/l	99
37) Ethyl Acetate	7.10	43	41962	22.300	ug/l	99
38) Carbon Tetrachloride	7.91	117	76302	20.289	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	103441	20.210	ug/l	98
40) Benzene	8.18	78	221715	19.997	ug/l	99
41) Methacrylonitrile	7.34	41	20963m	24.037	ug/l	
42) 1,2-Dichloroethane	8.25	62	64157	20.770	ug/l	99
43) Isopropyl Acetate	8.28	43	80446	21.592	ug/l	99
44) Trichloroethene	8.94	130	60924	20.386	ug/l	96
45) 1,2-Dichloropropane	9.22	63	54818	20.475	ug/l	96
46) Dibromomethane	9.32	93	30710	20.427	ug/l	98
47) Bromodichloromethane	9.50	83	74432	20.320	ug/l	99
48) Methyl methacrylate	9.30	41	36098	21.347	ug/l	100
49) 1,4-Dioxane	9.31	88	8505	428.372	ug/l	91
51) 4-Methyl-2-Pentanone	10.08	43	207568	113.128	ug/l	99
52) Toluene	10.25	92	143412	20.386	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	82192	20.601	ug/l	95
54) cis-1,3-Dichloropropene	9.93	75	94056	20.535	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	45970	21.312	ug/l	96
56) Ethyl methacrylate	10.51	69	66601	21.709	ug/l	99
57) 1,3-Dichloropropane	10.79	76	79204	20.831	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	114068	101.070	ug/l	99
59) 2-Hexanone	10.83	43	149532	112.087	ug/l	99
60) Dibromochloromethane	10.99	129	52868	20.794	ug/l	99
61) 1,2-Dibromoethane	11.09	107	44971	21.168	ug/l	100
64) Tetrachloroethene	10.72	164	50891	20.464	ug/l	98
65) Chlorobenzene	11.52	112	151044	20.287	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	53459	20.515	ug/l	99
67) Ethyl Benzene	11.60	91	279401	20.296	ug/l	99
68) m/p-Xylenes	11.70	106	211525	40.930	ug/l	99
69) o-Xylene	12.03	106	98944	20.306	ug/l	97
70) Styrene	12.05	104	170901	20.281	ug/l	99
71) Bromoform	12.21	173	30627	21.107	ug/l #	97
73) Isopropylbenzene	12.33	105	269140	19.694	ug/l	100
74) N-amyl acetate	12.14	43	75952	21.388	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	56593	21.796	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	42404m	22.006	ug/l	
77) Bromobenzene	12.61	156	60102	20.322	ug/l	97
78) n-propylbenzene	12.67	91	326286	19.943	ug/l	100
79) 2-Chlorotoluene	12.76	91	186912	20.042	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	229997	19.984	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	20652	20.738	ug/l	98
82) 4-Chlorotoluene	12.86	91	195307	19.975	ug/l	100
83) tert-Butylbenzene	13.08	119	196141	20.162	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	225776	19.820	ug/l	99
85) sec-Butylbenzene	13.25	105	273677	20.009	ug/l	99
86) p-Isopropyltoluene	13.37	119	244298	20.268	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	116339	20.526	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	115762	20.387	ug/l	98
89) n-Butylbenzene	13.70	91	240662	20.236	ug/l	100
90) Hexachloroethane	13.96	117	46273	20.002	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	106196	20.675	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10413	21.724	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	71408	20.630	ug/l	99
94) Hexachlorobutadiene	15.11	225	35575	20.251	ug/l	98
95) Naphthalene	15.24	128	173402	21.316	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	63846	20.896	ug/l	99

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

