

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050520\
 Data File : VY002577.D
 Acq On : 05 May 2020 11:23
 Operator : SY/MD
 Sample : VY0505SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0505SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/6/2020 10:26:45 AM

Quant Time: May 06 06:28:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	405096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	596100	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	535511	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	275725	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	171454	50.34	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.68%	
35) Dibromofluoromethane	7.73	113	178627	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	
50) Toluene-d8	10.19	98	704140	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	
62) 4-Bromofluorobenzene	12.49	95	237527	52.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	49055	15.917	ug/l	97
3) Chloromethane	2.12	50	58831	17.925	ug/l	98
4) Vinyl Chloride	2.26	62	69984	18.467	ug/l	100
5) Bromomethane	2.64	94	46773	17.897	ug/l	98
6) Chloroethane	2.79	64	41150	18.185	ug/l	98
7) Trichlorofluoromethane	3.13	101	106724	18.170	ug/l	99
8) Diethyl Ether	3.54	74	38391	19.450	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	68754	19.153	ug/l	99
10) Methyl Iodide	4.10	142	86110	17.607	ug/l	99
11) Tert butyl alcohol	4.97	59	31256	89.193	ug/l	97
12) 1,1-Dichloroethene	3.88	96	65358	18.742	ug/l	98
13) Acrolein	3.74	56	19751	81.506	ug/l	97
14) Allyl chloride	4.49	41	97804	19.249	ug/l	99
15) Acrylonitrile	5.18	53	90478	97.204	ug/l	99
16) Acetone	3.96	43	66694	94.877	ug/l	99
17) Carbon Disulfide	4.20	76	180209	17.177	ug/l	100
18) Methyl Acetate	4.49	43	45916	19.549	ug/l	97
19) Methyl tert-butyl Ether	5.23	73	172283	18.936	ug/l	100
20) Methylene Chloride	4.72	84	78427	19.951	ug/l	97
21) trans-1,2-Dichloroethene	5.23	96	72076	18.910	ug/l	91
22) Diisopropyl ether	6.13	45	206422	20.078	ug/l	100
23) Vinyl Acetate	6.07	43	626894	96.959	ug/l	100
24) 1,1-Dichloroethane	6.03	63	118805	19.534	ug/l	99
25) 2-Butanone	7.00	43	107652	93.555	ug/l	97
26) 2,2-Dichloropropane	6.99	77	108173	18.711	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	80990	19.204	ug/l	99
28) Bromochloromethane	7.35	49	52192	20.944	ug/l	100
29) Tetrahydrofuran	7.36	42	73346	96.342	ug/l	100
30) Chloroform	7.52	83	122813	19.420	ug/l	98
31) Cyclohexane	7.79	56	113705	18.573	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	110168	18.743	ug/l	100
36) 1,1-Dichloropropene	7.93	75	95397	19.090	ug/l	99
37) Ethyl Acetate	7.08	43	49741	19.370	ug/l	99
38) Carbon Tetrachloride	7.91	117	103657	19.000	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	122592	18.574	ug/l	97
40) Benzene	8.17	78	279122	19.339	ug/l	100
41) Methacrylonitrile	7.32	41	27820m	20.149	ug/l	
42) 1,2-Dichloroethane	8.25	62	76520	18.901	ug/l	99
43) Isopropyl Acetate	8.28	43	93008	19.320	ug/l	99
44) Trichloroethene	8.95	130	88700	19.665	ug/l	100
45) 1,2-Dichloropropane	9.22	63	68917	19.785	ug/l	98
46) Dibromomethane	9.31	93	38881	19.400	ug/l	99
47) Bromodichloromethane	9.50	83	95095	19.514	ug/l	99
48) Methyl methacrylate	9.30	41	41277	18.946	ug/l	98
49) 1,4-Dioxane	9.30	88	10828	408.055	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	243010	97.933	ug/l	100
52) Toluene	10.25	92	178984	19.296	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	99250	19.438	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	113238	19.184	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	57643	19.723	ug/l	96
56) Ethyl methacrylate	10.52	69	76348	19.637	ug/l	98
57) 1,3-Dichloropropane	10.80	76	96349	19.440	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.79	63	206115	100.527	ug/l	98
59) 2-Hexanone	10.84	43	168296	98.542	ug/l	99
60) Dibromochloromethane	10.99	129	70669	19.011	ug/l	99
61) 1,2-Dibromoethane	11.10	107	55549	19.195	ug/l	100
64) Tetrachloroethene	10.72	164	98608	20.725	ug/l	96
65) Chlorobenzene	11.52	112	199454	19.593	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	74686	19.764	ug/l	99
67) Ethyl Benzene	11.60	91	349628	19.552	ug/l	98
68) m/p-Xylenes	11.70	106	267646	38.683	ug/l	99
69) o-Xylene	12.03	106	126042	19.456	ug/l	100
70) Styrene	12.05	104	217423	19.632	ug/l	99
71) Bromoform	12.21	173	45613	19.448	ug/l #	98
73) Isopropylbenzene	12.33	105	353254	19.768	ug/l	99
74) N-amyl acetate	12.15	43	85839	19.969	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	52927	18.624	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	44364m	18.106	ug/l	
77) Bromobenzene	12.61	156	87086	19.506	ug/l	99
78) n-propylbenzene	12.67	91	409239	19.734	ug/l	100
79) 2-Chlorotoluene	12.76	91	224770	19.567	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	288909	19.504	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	23189	18.977	ug/l	96
82) 4-Chlorotoluene	12.86	91	237128	19.652	ug/l	99
83) tert-Butylbenzene	13.08	119	258916	19.935	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	289351	19.601	ug/l	99
85) sec-Butylbenzene	13.26	105	357247	19.822	ug/l	100
86) p-Isopropyltoluene	13.38	119	334699	19.820	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	167329	19.803	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	165372	19.765	ug/l	99
89) n-Butylbenzene	13.70	91	307977	20.034	ug/l	100
90) Hexachloroethane	13.97	117	59972	19.501	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	148960	19.756	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10088	19.043	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	109080	19.927	ug/l	99
94) Hexachlorobutadiene	15.12	225	65752	20.011	ug/l	99
95) Naphthalene	15.24	128	193796	19.407	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	93060	20.026	ug/l	98

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

