

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050120\
 Data File : VY002524.D
 Acq On : 01 May 2020 13:15
 Operator : SY/MD
 Sample : VY0501SBSD01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0501SBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/4/2020 2:19:17 PM

Quant Time: May 01 19:27:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 01 17:41:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	375799	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	560373	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	498321	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	256230	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	156092	49.40	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	98.80%	
35) Dibromofluoromethane	7.73	113	161289	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
50) Toluene-d8	10.18	98	643100	51.39	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	102.78%	
62) 4-Bromofluorobenzene	12.48	95	212254	49.98	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	99.96%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.91	85	48706	16.910	ug/l	96
3) Chloromethane	2.12	50	58281	19.142	ug/l	98
4) Vinyl Chloride	2.26	62	68091	19.368	ug/l	98
5) Bromomethane	2.65	94	45303	18.686	ug/l	100
6) Chloroethane	2.80	64	40985	19.524	ug/l	96
7) Trichlorofluoromethane	3.13	101	106455	19.538	ug/l	98
8) Diethyl Ether	3.54	74	34466	18.823	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	64493	19.367	ug/l	98
10) Methyl Iodide	4.10	142	85805	18.913	ug/l	99
11) Tert butyl alcohol	4.97	59	30445	93.652	ug/l	97
12) 1,1-Dichloroethene	3.88	96	63567	19.649	ug/l	98
13) Acrolein	3.74	56	19267	85.708	ug/l	95
14) Allyl chloride	4.49	41	92380	19.599	ug/l	99
15) Acrylonitrile	5.18	53	81877	94.821	ug/l	100
16) Acetone	3.96	43	62020	95.107	ug/l	99
17) Carbon Disulfide	4.21	76	177654	18.254	ug/l	100
18) Methyl Acetate	4.49	43	40719	18.688	ug/l	99
19) Methyl tert-butyl Ether	5.24	73	161949	19.188	ug/l	96
20) Methylene Chloride	4.73	84	75663	20.748	ug/l	98
21) trans-1,2-Dichloroethene	5.24	96	70141	19.837	ug/l	93
22) Diisopropyl ether	6.13	45	192336	20.167	ug/l	97
23) Vinyl Acetate	6.08	43	579787	96.664	ug/l	99
24) 1,1-Dichloroethane	6.03	63	112995	20.027	ug/l	99
25) 2-Butanone	7.00	43	99601	93.306	ug/l	96
26) 2,2-Dichloropropane	6.99	77	107442	20.034	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	77877	19.905	ug/l	99
28) Bromochloromethane	7.35	49	45892	19.852	ug/l	99
29) Tetrahydrofuran	7.36	42	64639	91.524	ug/l	100
30) Chloroform	7.52	83	117453	20.020	ug/l	98
31) Cyclohexane	7.80	56	110930	19.532	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	108505	19.899	ug/l	99
36) 1,1-Dichloropropene	7.93	75	92410	19.671	ug/l	99
37) Ethyl Acetate	7.09	43	44098	18.267	ug/l	99
38) Carbon Tetrachloride	7.91	117	99946	19.488	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	119160	19.205	ug/l	99
40) Benzene	8.17	78	267779	19.736	ug/l	96
41) Methacrylonitrile	7.34	41	28480m	21.253	ug/l	
42) 1,2-Dichloroethane	8.25	62	73411	19.289	ug/l	98
43) Isopropyl Acetate	8.28	43	83858	18.530	ug/l	98
44) Trichloroethene	8.95	130	82553	19.469	ug/l	99
45) 1,2-Dichloropropane	9.22	63	65418	19.978	ug/l	100
46) Dibromomethane	9.31	93	37158	19.723	ug/l	98
47) Bromodichloromethane	9.50	83	90036	19.654	ug/l	99
48) Methyl methacrylate	9.30	41	38398	18.748	ug/l	99
49) 1,4-Dioxane	9.30	88	9370	375.622	ug/l	99
51) 4-Methyl-2-Pentanone	10.08	43	219139	93.944	ug/l	100
52) Toluene	10.25	92	174760	20.042	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	92317	19.233	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	106791	19.246	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	53454	19.456	ug/l	99
56) Ethyl methacrylate	10.51	69	68999	18.878	ug/l	98
57) 1,3-Dichloropropane	10.80	76	89865	19.287	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	183808	95.363	ug/l	100
59) 2-Hexanone	10.83	43	146551	91.281	ug/l	100
60) Dibromochloromethane	10.99	129	68209	19.520	ug/l	99
61) 1,2-Dibromoethane	11.09	107	51668	18.992	ug/l	99
64) Tetrachloroethene	10.72	164	88902	20.079	ug/l	98
65) Chlorobenzene	11.52	112	189077	19.959	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	71401	20.305	ug/l	98
67) Ethyl Benzene	11.60	91	336202	20.204	ug/l	99
68) m/p-Xylenes	11.70	106	258885	40.209	ug/l	99
69) o-Xylene	12.03	106	121965	20.232	ug/l	99
70) Styrene	12.05	104	208590	20.240	ug/l	99
71) Bromoform	12.21	173	42319	19.390	ug/l #	99
73) Isopropylbenzene	12.33	105	336956	20.291	ug/l	100
74) N-amyl acetate	12.14	43	76174	19.069	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	51296	19.423	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	43416m	19.640	ug/l	
77) Bromobenzene	12.61	156	84030	20.254	ug/l	98
78) n-propylbenzene	12.67	91	394449	20.468	ug/l	99
79) 2-Chlorotoluene	12.75	91	215294	20.168	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	280324	20.365	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	21198	18.667	ug/l #	74
82) 4-Chlorotoluene	12.86	91	225907	20.147	ug/l	99
83) tert-Butylbenzene	13.08	119	249460	20.668	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	280565	20.451	ug/l	100
85) sec-Butylbenzene	13.25	105	345078	20.604	ug/l	100
86) p-Isopropyltoluene	13.37	119	321976	20.517	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	159280	20.284	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	157592	20.268	ug/l	99
89) n-Butylbenzene	13.70	91	292997	20.509	ug/l	100
90) Hexachloroethane	13.96	117	58580	20.498	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	140404	20.038	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	9418	19.131	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	102638	20.176	ug/l	99
94) Hexachlorobutadiene	15.11	225	63140	20.678	ug/l	99
95) Naphthalene	15.23	128	178422	19.227	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	85314	19.756	ug/l	99

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

