

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051520\
 Data File : VY002691.D
 Acq On : 15 May 2020 10:33
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 5/18/2020 1:36:01 PM

Quant Time: May 15 13:03:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 15 12:50:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	374826	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	554233	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	509530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	265713	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	14497	4.63	ug/l	0.00
Spiked Amount			Recovery	=	9.26%	
35) Dibromofluoromethane	7.73	113	15465	4.89	ug/l	0.00
Spiked Amount			Recovery	=	9.78%	
50) Toluene-d8	10.18	98	63615	5.12	ug/l	0.00
Spiked Amount			Recovery	=	10.24%	
62) 4-Bromofluorobenzene	12.48	95	22198	5.26	ug/l	0.00
Spiked Amount			Recovery	=	10.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	14893	5.502	ug/l	99
3) Chloromethane	2.11	50	17287	5.840	ug/l	97
4) Vinyl Chloride	2.26	62	17187	5.092	ug/l	100
5) Bromomethane	2.65	94	13232	5.538	ug/l	96
6) Chloroethane	2.80	64	10655	5.173	ug/l	93
7) Trichlorofluoromethane	3.13	101	27647	5.142	ug/l	94
8) Diethyl Ether	3.54	74	8999	4.930	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	16509	5.024	ug/l	98
10) Methyl Iodide	4.10	142	19430	4.332	ug/l	99
11) Tert butyl alcohol	4.97	59	8634	26.897	ug/l #	84
12) 1,1-Dichloroethene	3.88	96	16987	5.284	ug/l	90
13) Acrolein	3.74	56	8653	35.692	ug/l	98
14) Allyl chloride	4.49	41	23788	5.098	ug/l	97
15) Acrylonitrile	5.18	53	20625	24.046	ug/l	99
16) Acetone	3.96	43	14712	22.844	ug/l	98
17) Carbon Disulfide	4.20	76	52325	5.408	ug/l	99
18) Methyl Acetate	4.49	43	8769	4.162	ug/l	98
19) Methyl tert-butyl Ether	5.24	73	39473	4.720	ug/l	91
20) Methylene Chloride	4.72	84	19220	5.281	ug/l	96
21) trans-1,2-Dichloroethene	5.22	96	18609	5.278	ug/l	87
22) Diisopropyl ether	6.13	45	45912	4.854	ug/l	95
23) Vinyl Acetate	6.07	43	143690	24.099	ug/l	99
24) 1,1-Dichloroethane	6.02	63	27437	4.909	ug/l	97
25) 2-Butanone	7.00	43	24997	23.753	ug/l	96
26) 2,2-Dichloropropane	6.99	77	27850	5.255	ug/l	95
27) cis-1,2-Dichloroethene	7.00	96	19914	5.099	ug/l	96
28) Bromochloromethane	7.35	49	10543	4.620	ug/l	98
29) Tetrahydrofuran	7.36	42	16607	23.738	ug/l	100
30) Chloroform	7.52	83	28857	4.944	ug/l	99
31) Cyclohexane	7.79	56	31333	5.559	ug/l #	76
32) 1,1,1-Trichloroethane	7.71	97	26269	4.860	ug/l	98
36) 1,1-Dichloropropene	7.92	75	24060	5.209	ug/l	98
37) Ethyl Acetate	7.08	43	12154	5.109	ug/l	98
38) Carbon Tetrachloride	7.91	117	24296	4.816	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	31280	5.108	ug/l	98
40) Benzene	8.16	78	69236	5.161	ug/l	98
41) Methacrylonitrile	7.32	41	6270	4.906	ug/l #	100
42) 1,2-Dichloroethane	8.24	62	17774	4.782	ug/l	98
43) Isopropyl Acetate	8.28	43	20334	4.571	ug/l	97
44) Trichloroethene	8.94	130	22056	5.236	ug/l	97
45) 1,2-Dichloropropane	9.22	63	16514	5.125	ug/l	99
46) Dibromomethane	9.31	93	9056	4.884	ug/l	100
47) Bromodichloromethane	9.50	83	21513	4.767	ug/l	99
48) Methyl methacrylate	9.30	41	9660	4.804	ug/l	94
49) 1,4-Dioxane	9.30	88	2356	96.164	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	53795	23.543	ug/l	98
52) Toluene	10.25	92	44377	5.147	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	22950	4.856	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	26281	4.795	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	13408	4.957	ug/l	96
56) Ethyl methacrylate	10.51	69	17008	4.718	ug/l	98
57) 1,3-Dichloropropane	10.79	76	22687	4.949	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	45090	23.636	ug/l	100
59) 2-Hexanone	10.83	43	37365	23.748	ug/l	99
60) Dibromochloromethane	10.99	129	16950	4.904	ug/l	99
61) 1,2-Dibromoethane	11.09	107	13168	4.897	ug/l	96
64) Tetrachloroethene	10.72	164	24794	5.444	ug/l	97
65) Chlorobenzene	11.52	112	48715	5.040	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	17687	4.933	ug/l	97
67) Ethyl Benzene	11.59	91	85111	5.025	ug/l	99
68) m/p-Xylenes	11.70	106	66320	10.102	ug/l	99
69) o-Xylene	12.03	106	30754	4.990	ug/l	97
70) Styrene	12.05	104	52029	4.944	ug/l	99
71) Bromoform	12.21	173	10740	4.829	ug/l #	98
73) Isopropylbenzene	12.33	105	85066	4.967	ug/l	99
74) N-amyl acetate	12.14	43	19311	4.714	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	11964	4.453	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	10700m	4.645	ug/l	
77) Bromobenzene	12.61	156	21505	5.027	ug/l	99
78) n-propylbenzene	12.67	91	99176	4.990	ug/l	100
79) 2-Chlorotoluene	12.75	91	55331	5.022	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	71458	5.029	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	5561	4.780	ug/l #	79
82) 4-Chlorotoluene	12.85	91	58705	5.082	ug/l	99
83) tert-Butylbenzene	13.08	119	63133	5.069	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	70871	5.000	ug/l	99
85) sec-Butylbenzene	13.25	105	88604	5.126	ug/l	100
86) p-Isopropyltoluene	13.37	119	81752	5.047	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	41759	5.146	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	42288	5.267	ug/l	93
89) n-Butylbenzene	13.70	91	76001	5.147	ug/l	99
90) Hexachloroethane	13.96	117	14924	5.040	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	37942	5.242	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	2420	4.803	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	27295	5.170	ug/l	95
94) Hexachlorobutadiene	15.11	225	17281	5.443	ug/l	100
95) Naphthalene	15.23	128	48466	5.058	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	24161	5.398	ug/l	98

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

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