

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112020\
 Data File : VY003561.D
 Acq On : 20 Nov 2020 11:40
 Operator : SY/MD
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 11/23/2020 1:39:28 PM

Quant Time: Nov 21 00:54:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112020S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 00:32:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	165520	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	245314	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	222511	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	108213	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	158713	92.35	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 184.70%#			
35) Dibromofluoromethane	7.72	113	152672	94.68	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 189.36%#			
50) Toluene-d8	10.18	98	592381	94.47	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 188.94%#			
62) 4-Bromofluorobenzene	12.48	95	192129	96.55	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 193.10%#			

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.92	85	48973	100.394	ug/l	99
3) Chloromethane	2.11	50	106886	93.087	ug/l	99
4) Vinyl Chloride	2.26	62	144508	97.282	ug/l	100
5) Bromomethane	2.66	94	115510	92.963	ug/l	95
6) Chloroethane	2.80	64	101282	97.226	ug/l	95
7) Trichlorofluoromethane	3.13	101	129948	99.170	ug/l	100
8) Diethyl Ether	3.54	74	91285	96.044	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	141752	94.245	ug/l	99
10) Methyl Iodide	4.10	142	242444	93.416	ug/l	98
11) Tert butyl alcohol	5.02	59	66430	405.726	ug/l #	100
12) 1,1-Dichloroethene	3.88	96	156985	96.326	ug/l	97
13) Acrolein	3.74	56	80006	487.898	ug/l	96
14) Allyl chloride	4.49	41	265587	97.212	ug/l	99
15) Acrylonitrile	5.18	53	215930	482.888	ug/l	99
16) Acetone	3.97	43	316575	551.678	ug/l	96
17) Carbon Disulfide	4.20	76	435763	92.885	ug/l	98
18) Methyl Acetate	4.49	43	117115	93.816	ug/l	98
19) Methyl tert-butyl Ether	5.23	73	229576	94.907	ug/l	100
20) Methylene Chloride	4.72	84	173931	79.811	ug/l	99
21) trans-1,2-Dichloroethene	5.22	96	171970	94.376	ug/l	95
22) Diisopropyl ether	6.13	45	467300	99.789	ug/l	99
23) Vinyl Acetate	6.07	43	1837403	504.786	ug/l	99
24) 1,1-Dichloroethane	6.03	63	293756	94.245	ug/l	99
25) 2-Butanone	7.00	43	387943	521.003	ug/l	97
26) 2,2-Dichloropropane	6.99	77	182831	89.700	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	190498	96.431	ug/l	99
28) Bromochloromethane	7.34	49	156566	102.613	ug/l	98
29) Tetrahydrofuran	7.36	42	188608	483.509	ug/l	99
30) Chloroform	7.52	83	295326	94.948	ug/l	97
31) Cyclohexane	7.79	56	231959	93.358	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	232730	96.827	ug/l	99
36) 1,1-Dichloropropene	7.92	75	232192	96.142	ug/l	99
37) Ethyl Acetate	7.08	43	140360	96.443	ug/l	99
38) Carbon Tetrachloride	7.91	117	222410	99.413	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	257124	104.763	ug/l	98
40) Benzene	8.16	78	685513	95.751	ug/l	98
41) Methacrylonitrile	7.32	41	81118	113.356	ug/l	100
42) 1,2-Dichloroethane	8.24	62	193542	95.030	ug/l	100
43) Isopropyl Acetate	8.28	43	264454	98.960	ug/l	98
44) Trichloroethene	8.94	130	184638	94.648	ug/l	100
45) 1,2-Dichloropropane	9.22	63	174047	98.072	ug/l	97
46) Dibromomethane	9.31	93	96143	95.130	ug/l	99
47) Bromodichloromethane	9.50	83	232760	96.961	ug/l	98
48) Methyl methacrylate	9.30	41	125925	98.440	ug/l	100
49) 1,4-Dioxane	9.33	88	24005	2072.995	ug/l #	90
51) 4-Methyl-2-Pentanone	10.07	43	670684	523.658	ug/l	100
52) Toluene	10.24	92	429422	97.963	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	250177	99.574	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	282089	98.645	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	137528	95.940	ug/l	97
56) Ethyl methacrylate	10.51	69	187204	107.463	ug/l	99
57) 1,3-Dichloropropane	10.79	76	235919	97.236	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	446779	499.762	ug/l	100
59) 2-Hexanone	10.83	43	572863	542.581	ug/l	100
60) Dibromochloromethane	10.99	129	170218	98.208	ug/l	99
61) 1,2-Dibromoethane	11.09	107	134791	97.576	ug/l	99
64) Tetrachloroethene	10.72	164	159023	95.678	ug/l	97
65) Chlorobenzene	11.52	112	456522	94.830	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	136861	99.075	ug/l	99
67) Ethyl Benzene	11.59	91	793402	100.578	ug/l	99
68) m/p-Xylenes	11.70	106	602508	199.464	ug/l	98
69) o-Xylene	12.03	106	248080	102.673	ug/l	99
70) Styrene	12.04	104	497496	102.159	ug/l	99
71) Bromoform	12.20	173	107871	96.699	ug/l #	100
73) Isopropylbenzene	12.33	105	550204	102.075	ug/l	100
74) N-amyl acetate	12.14	43	227694	106.665	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	148012	98.680	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	100331m	90.937	ug/l	
77) Bromobenzene	12.61	156	190635	96.126	ug/l	98
78) n-propylbenzene	12.67	91	774461	102.271	ug/l	99
79) 2-Chlorotoluene	12.75	91	436371	99.832	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	400911	98.958	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.38	75	64494	97.727	ug/l	100
82) 4-Chlorotoluene	12.85	91	528831	98.746	ug/l	100
83) tert-Butylbenzene	13.07	119	405018	98.765	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	433988	100.609	ug/l	100
85) sec-Butylbenzene	13.25	105	448477	96.618	ug/l	99
86) p-Isopropyltoluene	13.37	119	409073	98.219	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	350144	96.993	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	352864	95.384	ug/l	99
89) n-Butylbenzene	13.69	91	466727	104.729	ug/l	99
90) Hexachloroethane	13.96	117	106967	97.130	ug/l	98
91) 1,2-Dichlorobenzene	13.73	146	278266	96.571	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	18942	96.958	ug/l	97

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93) 1,2,4-Trichlorobenzene	15.00	180	166958	103.315	ug/l	99
94) Hexachlorobutadiene	15.11	225	77646	84.528	ug/l	99
95) Naphthalene	15.23	128	295602	107.194	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	119059	100.224	ug/l	99

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

