

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112020\
 Data File : VY003559.D
 Acq On : 20 Nov 2020 10:57
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 11/23/2020 1:39:24 PM

Quant Time: Nov 21 00:47:18 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	153747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	226769	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	205239	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	100079	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	33023	20.69	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	41.38%#	
35) Dibromofluoromethane		7.72	113	31165	20.91	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	41.82%#	
50) Toluene-d8		10.18	98	123019	21.22	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	42.44%#	
62) 4-Bromofluorobenzene		12.48	95	37924	20.62	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	41.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.92	85	8697	19.194	ug/l	94
3) Chloromethane	2.12	50	20523	19.242	ug/l	96
4) Vinyl Chloride	2.26	62	27714	20.086	ug/l	99
5) Bromomethane	2.66	94	23911	20.717	ug/l	95
6) Chloroethane	2.80	64	18920	19.553	ug/l	89
7) Trichlorofluoromethane	3.13	101	24300	19.965	ug/l	92
8) Diethyl Ether	3.53	74	18403	20.845	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	29261	20.944	ug/l	95
10) Methyl Iodide	4.10	142	47958	19.894	ug/l	99
11) Tert butyl alcohol	5.02	59	10717	70.467	ug/l #	100
12) 1,1-Dichloroethene	3.88	96	30232	19.971	ug/l	98
13) Acrolein	3.74	56	15536	101.998	ug/l	97
14) Allyl chloride	4.49	41	50840	20.034	ug/l	98
15) Acrylonitrile	5.18	53	40719	98.034	ug/l	99
16) Acetone	3.97	43	46951	88.084	ug/l	95
17) Carbon Disulfide	4.20	76	88025	20.200	ug/l	97
18) Methyl Acetate	4.49	43	21941	18.922	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	46636	20.756	ug/l	99
20) Methylene Chloride	4.72	84	40282	19.899	ug/l	93
21) trans-1,2-Dichloroethene	5.23	96	34112	20.154	ug/l	97
22) Diisopropyl ether	6.13	45	87091	20.022	ug/l	99
23) Vinyl Acetate	6.07	43	344136	101.783	ug/l	99
24) 1,1-Dichloroethane	6.03	63	59155	20.432	ug/l	100
25) 2-Butanone	7.00	43	64156	92.758	ug/l	99
26) 2,2-Dichloropropane	6.99	77	37671	19.897	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	37509	20.441	ug/l	98
28) Bromochloromethane	7.34	49	28970	20.441	ug/l	99
29) Tetrahydrofuran	7.36	42	36117	99.678	ug/l	98
30) Chloroform	7.52	83	58841	20.366	ug/l	99
31) Cyclohexane	7.79	56	45739	19.819	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	44095	19.750	ug/l	99
36) 1,1-Dichloropropene	7.92	75	45849	20.537	ug/l	98
37) Ethyl Acetate	7.08	43	26996	20.066	ug/l	97
38) Carbon Tetrachloride	7.91	117	42770	20.681	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	44690	19.698	ug/l	97
40) Benzene	8.16	78	134616	20.341	ug/l	100
41) Methacrylonitrile	7.32	41	17852	26.987	ug/l	88
42) 1,2-Dichloroethane	8.24	62	38117	20.246	ug/l	100
43) Isopropyl Acetate	8.28	43	49439	20.013	ug/l	97
44) Trichloroethene	8.94	130	36794	20.404	ug/l	92
45) 1,2-Dichloropropane	9.22	63	33649	20.511	ug/l	96
46) Dibromomethane	9.31	93	19196	20.547	ug/l	99
47) Bromodichloromethane	9.50	83	44248	19.940	ug/l	100
48) Methyl methacrylate	9.30	41	23323	19.723	ug/l	97
49) 1,4-Dioxane	9.32	88	4211	393.387	ug/l #	84
51) 4-Methyl-2-Pentanone	10.07	43	117560	99.295	ug/l	99
52) Toluene	10.24	92	83089	20.505	ug/l	99
53) t-1,3-Dichloropropene	10.46	75	46530	20.034	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	53788	20.348	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	28011	21.139	ug/l	97
56) Ethyl methacrylate	10.51	69	31324	19.452	ug/l	98
57) 1,3-Dichloropropane	10.79	76	46943	20.930	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	87952	106.428	ug/l	98
59) 2-Hexanone	10.83	43	94154	96.470	ug/l	98
60) Dibromochloromethane	10.99	129	33614	20.980	ug/l	97
61) 1,2-Dibromoethane	11.08	107	25791	20.197	ug/l	98
64) Tetrachloroethene	10.72	164	30666	20.003	ug/l	92
65) Chlorobenzene	11.52	112	89750	20.212	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	25872	20.305	ug/l	99
67) Ethyl Benzene	11.59	91	147147	20.223	ug/l	97
68) m/p-Xylenes	11.70	106	113686	40.804	ug/l	99
69) o-Xylene	12.03	106	45632	20.475	ug/l	98
70) Styrene	12.04	104	90907	20.238	ug/l	99
71) Bromoform	12.20	173	20483	19.907	ug/l #	99
73) Isopropylbenzene	12.33	105	98290	19.717	ug/l	100
74) N-amyl acetate	12.14	43	38968	19.738	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	28410	20.480	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	18356m	17.989	ug/l	
77) Bromobenzene	12.61	156	37625	20.514	ug/l	98
78) n-propylbenzene	12.67	91	141344	20.182	ug/l	100
79) 2-Chlorotoluene	12.75	91	81383	20.132	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	76573	20.437	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.38	75	12226	20.032	ug/l	98
82) 4-Chlorotoluene	12.85	91	100072	20.205	ug/l	99
83) tert-Butylbenzene	13.07	119	74842	19.734	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	81676	20.473	ug/l	100
85) sec-Butylbenzene	13.25	105	87531	20.390	ug/l	100
86) p-Isopropyltoluene	13.36	119	78889	20.481	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	68160	20.415	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	68626	20.058	ug/l	97
89) n-Butylbenzene	13.69	91	81660	19.813	ug/l	99
90) Hexachloroethane	13.95	117	21236	20.850	ug/l	97
91) 1,2-Dichlorobenzene	13.73	146	53962	20.249	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.35	75	3466	19.183	ug/l	98

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93) 1,2,4-Trichlorobenzene	15.00	180	29362	19.646	ug/l	98
94) Hexachlorobutadiene	15.11	225	17692	20.825	ug/l	97
95) Naphthalene	15.23	128	48928	19.185	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	21677	19.731	ug/l	97

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

