

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110122\
 Data File : VY011212.D
 Acq On : 01 Nov 2022 10:26
 Operator : KP/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/02/2022
 Supervised By :Mahesh Dadoda 11/02/2022

Quant Time: Nov 01 11:01:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 01:42:42 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.783	168	236729	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	382865	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	355405	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	178097	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	50571	23.191	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	46.380%#		
35) Dibromofluoromethane	7.710	113	50612	22.531	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	45.060%#		
50) Toluene-d8	10.179	98	199286	24.929	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	49.860%		
62) 4-Bromofluorobenzene	12.477	95	67070	21.962	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	43.920%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	51184	32.596	ug/l	99
3) Chloromethane	2.113	50	56490	25.076	ug/l	96
4) Vinyl Chloride	2.247	62	61789	24.199	ug/l	97
5) Bromomethane	2.631	94	39609	22.428	ug/l	99
6) Chloroethane	2.784	64	39334	23.052	ug/l	97
7) Trichlorofluoromethane	3.119	101	89479	23.942	ug/l	92
8) Diethyl Ether	3.527	74	30669	21.990	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.893	101	53064	22.636	ug/l	93
10) Methyl Iodide	4.088	142	67729	23.611	ug/l	91
11) Tert butyl alcohol	4.942	59	39485	152.372	ug/l	96
12) 1,1-Dichloroethene	3.863	96	51479	22.924	ug/l	82
13) Acrolein	3.723	56	18584	52.864	ug/l	98
14) Allyl chloride	4.472	41	77441	21.746	ug/l #	85
15) Acrylonitrile	5.155	53	77313	106.349	ug/l	96
16) Acetone	3.936	43	65813	103.929	ug/l #	86
17) Carbon Disulfide	4.186	76	171603	26.066	ug/l	100
18) Methyl Acetate	4.466	43	41792	21.875	ug/l #	88
19) Methyl tert-butyl Ether	5.216	73	133631	21.298	ug/l	97
20) Methylene Chloride	4.704	84	72062	22.658	ug/l	85
21) trans-1,2-Dichloroethene	5.210	96	59312	23.395	ug/l	90
22) Diisopropyl ether	6.112	45	166712	21.858	ug/l #	92
23) Vinyl Acetate	6.051	43	487431	106.874	ug/l #	92
24) 1,1-Dichloroethane	6.009	63	103270	22.426	ug/l	98
25) 2-Butanone	6.978	43	99293	103.394	ug/l #	85
26) 2,2-Dichloropropane	6.972	77	90612	22.159	ug/l	95
27) cis-1,2-Dichloroethene	6.978	96	64937	22.225	ug/l	90
28) Bromochloromethane	7.326	49	37999	25.168	ug/l	89
29) Tetrahydrofuran	7.338	42	61402	103.923	ug/l #	85
30) Chloroform	7.502	83	103659	22.331	ug/l	100
31) Cyclohexane	7.783	56	91046	21.819	ug/l	86
32) 1,1,1-Trichloroethane	7.697	97	90626	22.211	ug/l	96
36) 1,1-Dichloropropene	7.911	75	82037	23.017	ug/l	99
37) Ethyl Acetate	7.070	43	42164	21.368	ug/l #	93
38) Carbon Tetrachloride	7.899	117	83225	22.621	ug/l	99
39) Methylcyclohexane	9.179	83	98520	23.079	ug/l	91
40) Benzene	8.155	78	238441	22.801	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	23284m	21.774	ug/l	
42) 1,2-Dichloroethane	8.234	62	63975	22.078	ug/l	91
43) Isopropyl Acetate	8.271	43	73444	20.832	ug/l #	88
44) Trichloroethene	8.935	130	63500	22.407	ug/l	98
45) 1,2-Dichloropropane	9.209	63	58985	22.231	ug/l	95
46) Dibromomethane	9.301	93	33013	22.308	ug/l	94
47) Bromodichloromethane	9.490	83	79168	22.199	ug/l	99
48) Methyl methacrylate	9.289	41	33876	21.470	ug/l #	77
49) 1,4-Dioxane	9.295	88	8619	405.357	ug/l #	90
51) 4-Methyl-2-Pentanone	10.063	43	202863	103.175	ug/l	88
52) Toluene	10.240	92	147496	22.703	ug/l	97
53) t-1,3-Dichloropropene	10.459	75	81633	22.034	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	93523	22.059	ug/l #	83
55) 1,1,2-Trichloroethane	10.642	97	47402	22.203	ug/l	98
56) Ethyl methacrylate	10.508	69	60671	21.397	ug/l #	75
57) 1,3-Dichloropropane	10.788	76	80799	22.012	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	146275	114.150	ug/l	96
59) 2-Hexanone	10.831	43	140084	103.719	ug/l	85
60) Dibromochloromethane	10.977	129	55663	21.926	ug/l	100
61) 1,2-Dibromoethane	11.087	107	44737	21.882	ug/l	99
64) Tetrachloroethene	10.715	164	59871	21.640	ug/l	94
65) Chlorobenzene	11.514	112	157725	21.616	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	56734	21.007	ug/l	97
67) Ethyl Benzene	11.587	91	276664	21.432	ug/l	100
68) m/p-Xylenes	11.697	106	218640	44.030	ug/l	95
69) o-Xylene	12.026	106	101070	21.435	ug/l	94
70) Styrene	12.044	104	173105	21.666	ug/l	96
71) Bromoform	12.203	173	34916	20.948	ug/l #	98
73) Isopropylbenzene	12.325	105	264576	20.448	ug/l	100
74) N-amyl acetate	12.142	43	64126	19.533	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	12.581	83	54656	20.127	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	46171m	22.835	ug/l	
77) Bromobenzene	12.605	156	62115	20.537	ug/l	99
78) n-propylbenzene	12.666	91	328502	20.867	ug/l	100
79) 2-Chlorotoluene	12.751	91	187062	21.099	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	227166	21.042	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.373	75	19530	20.774	ug/l #	84
82) 4-Chlorotoluene	12.849	91	193259	20.936	ug/l	99
83) tert-Butylbenzene	13.075	119	193728	20.751	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	227063	21.329	ug/l	98
85) sec-Butylbenzene	13.251	105	291982	20.814	ug/l	100
86) p-Isopropyltoluene	13.367	119	241690	20.768	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	125282	20.755	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	125916	20.980	ug/l	98
89) n-Butylbenzene	13.690	91	224485	20.642	ug/l	100
90) Hexachloroethane	13.959	117	47529	20.694	ug/l	88
91) 1,2-Dichlorobenzene	13.733	146	111632	20.671	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8619	19.197	ug/l	84
93) 1,2,4-Trichlorobenzene	15.001	180	64371	19.944	ug/l	99
94) Hexachlorobutadiene	15.105	225	38841	20.444	ug/l	100
95) Naphthalene	15.233	128	123958	18.858	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	55455	19.694	ug/l	99

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

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