

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081522\
 Data File : VY010031.D
 Acq On : 15 Aug 2022 16:51
 Operator : KP/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/16/2022
 Supervised By :Mahesh Dadoda 08/16/2022

Quant Time: Aug 16 06:27:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081522S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 06:22:55 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	114327	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	164014	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	157808	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	81555	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	22041	19.200	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	38.400%#		
35) Dibromofluoromethane	7.710	113	20389	20.312	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.620%#		
50) Toluene-d8	10.173	98	72037	18.702	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	37.400%#		
62) 4-Bromofluorobenzene	12.477	95	25771	18.245	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	36.500%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	18431	18.254	ug/l	98
3) Chloromethane	2.107	50	24301	28.986	ug/l	96
4) Vinyl Chloride	2.241	62	30829	33.114	ug/l	100
5) Bromomethane	2.631	94	26093	36.836	ug/l	93
6) Chloroethane	2.778	64	21627	34.820	ug/l	98
7) Trichlorofluoromethane	3.107	101	38083	19.409	ug/l	98
8) Diethyl Ether	3.515	74	10391	14.742	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.881	101	19484	15.943	ug/l	96
10) Methyl Iodide	4.070	142	23207	15.788	ug/l	98
11) Tert butyl alcohol	4.948	59	11897m	106.921	ug/l	
12) 1,1-Dichloroethene	3.857	96	17702	15.004	ug/l	90
13) Acrolein	3.716	56	8268	61.128	ug/l	95
14) Allyl chloride	4.460	41	24354	14.695	ug/l	97
15) Acrylonitrile	5.149	53	23690	70.640	ug/l	99
16) Acetone	3.942	43	22056	82.167	ug/l #	89
17) Carbon Disulfide	4.180	76	45550	12.010	ug/l	98
18) Methyl Acetate	4.460	43	12342	15.873	ug/l	99
19) Methyl tert-butyl Ether	5.210	73	48018	16.573	ug/l	99
20) Methylene Chloride	4.698	84	23912	14.101	ug/l	97
21) trans-1,2-Dichloroethene	5.204	96	19334	14.682	ug/l	94
22) Diisopropyl ether	6.106	45	57802	17.049	ug/l	97
23) Vinyl Acetate	6.051	43	174829	83.594	ug/l	99
24) 1,1-Dichloroethane	6.009	63	33876	15.830	ug/l	97
25) 2-Butanone	6.978	43	33687	80.354	ug/l	99
26) 2,2-Dichloropropane	6.966	77	35307	18.245	ug/l	99
27) cis-1,2-Dichloroethene	6.972	96	23042	16.254	ug/l	99
28) Bromochloromethane	7.325	49	13632	15.945	ug/l	99
29) Tetrahydrofuran	7.338	42	20407	77.442	ug/l	98
30) Chloroform	7.496	83	38992	17.473	ug/l	98
31) Cyclohexane	7.777	56	28476	14.200	ug/l #	93
32) 1,1,1-Trichloroethane	7.691	97	36722	19.030	ug/l	97
36) 1,1-Dichloropropene	7.905	75	27602	18.418	ug/l	98
37) Ethyl Acetate	7.063	43	15658	19.422	ug/l	99
38) Carbon Tetrachloride	7.886	117	34611	22.415	ug/l	98
39) Methylcyclohexane	9.179	83	29634	16.608	ug/l	95
40) Benzene	8.149	78	80869	18.037	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	8724m	20.377	ug/l	
42) 1,2-Dichloroethane	8.228	62	26099	21.843	ug/l	99
43) Isopropyl Acetate	8.264	43	27227	19.321	ug/l #	88
44) Trichloroethene	8.935	130	24452	19.816	ug/l	91
45) 1,2-Dichloropropane	9.209	63	19570	18.232	ug/l	98
46) Dibromomethane	9.301	93	12651	19.474	ug/l	99
47) Bromodichloromethane	9.490	83	30585	20.853	ug/l	99
48) Methyl methacrylate	9.289	41	11403	18.439	ug/l	95
49) 1,4-Dioxane	9.289	88	2598	369.846	ug/l	96
51) 4-Methyl-2-Pentanone	10.069	43	73506	96.095	ug/l	98
52) Toluene	10.240	92	50076	18.207	ug/l	98
53) t-1,3-Dichloropropene	10.459	75	27858	18.667	ug/l	91
54) cis-1,3-Dichloropropene	9.923	75	31493	18.415	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	16572	17.904	ug/l	98
56) Ethyl methacrylate	10.508	69	18966	16.752	ug/l	92
57) 1,3-Dichloropropane	10.788	76	25850	17.258	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	50334	101.378	ug/l	98
59) 2-Hexanone	10.825	43	41030	77.842	ug/l	94
60) Dibromochloromethane	10.983	129	23231	21.596	ug/l	97
61) 1,2-Dibromoethane	11.081	107	16645	18.748	ug/l	94
64) Tetrachloroethene	10.715	164	24876	21.090	ug/l	98
65) Chlorobenzene	11.514	112	61252	19.038	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	24933	21.417	ug/l	100
67) Ethyl Benzene	11.587	91	100810	18.515	ug/l	95
68) m/p-Xylenes	11.703	106	82432	38.881	ug/l	95
69) o-Xylene	12.026	106	36207	18.013	ug/l	95
70) Styrene	12.044	104	62206	18.178	ug/l	98
71) Bromoform	12.203	173	15153	20.580	ug/l #	99
73) Isopropylbenzene	12.325	105	96309	17.841	ug/l	98
74) N-amyl acetate	12.142	43	19260	13.859	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.575	83	18181	14.945	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	13586m	14.865	ug/l	
77) Bromobenzene	12.605	156	25897	19.732	ug/l	90
78) n-propylbenzene	12.666	91	123479	18.286	ug/l	99
79) 2-Chlorotoluene	12.751	91	67661	17.739	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	84046	18.993	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	5792	13.842	ug/l	96
82) 4-Chlorotoluene	12.855	91	69172	17.353	ug/l	97
83) tert-Butylbenzene	13.074	119	74125	19.038	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	84534	18.976	ug/l	100
85) sec-Butylbenzene	13.251	105	105920	17.730	ug/l	97
86) p-Isopropyltoluene	13.367	119	92394	19.432	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	53363	20.409	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	54639	20.205	ug/l	98
89) n-Butylbenzene	13.696	91	80635	17.786	ug/l	98
90) Hexachloroethane	13.958	117	18653	18.596	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	47819	20.541	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3151	16.098	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	27872	20.846	ug/l	99
94) Hexachlorobutadiene	15.111	225	18265	23.613	ug/l	98
95) Naphthalene	15.233	128	47717	18.095	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	24362	20.637	ug/l	99

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

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