

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020723\
 Data File : VY012511.D
 Acq On : 07 Feb 2023 10:59
 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 02/08/2023
 Supervised By :Mahesh Dadoda 02/08/2023

Quant Time: Feb 07 21:47:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 07 21:44:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	149236	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	219966	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	201047	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	108733	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	35715	18.820	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	37.640%#		
35) Dibromofluoromethane	7.716	113	31011	19.359	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	38.720%#		
50) Toluene-d8	10.179	98	127298	19.092	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	38.180%#		
62) 4-Bromofluorobenzene	12.483	95	43934	18.891	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	37.780%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	26341	23.079	ug/l	99
3) Chloromethane	2.113	50	24340	20.933	ug/l	98
4) Vinyl Chloride	2.253	62	29905	20.643	ug/l	96
5) Bromomethane	2.644	94	23632	20.654	ug/l	98
6) Chloroethane	2.790	64	21260	21.084	ug/l	98
7) Trichlorofluoromethane	3.125	101	59870	20.107	ug/l	99
8) Diethyl Ether	3.528	74	17450	19.764	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.899	101	30100	20.019	ug/l	99
10) Methyl Iodide	4.095	142	39761	20.398	ug/l	100
11) Tert butyl alcohol	4.942	59	21892	114.570	ug/l	95
12) 1,1-Dichloroethene	3.875	96	29976	20.177	ug/l	95
13) Acrolein	3.729	56	21336	95.636	ug/l	98
14) Allyl chloride	4.485	41	35590	19.647	ug/l	99
15) Acrylonitrile	5.155	53	39392	96.706	ug/l	99
16) Acetone	3.948	43	41650	91.187	ug/l	96
17) Carbon Disulfide	4.192	76	81683	21.197	ug/l	99
18) Methyl Acetate	4.479	43	20464	18.640	ug/l	99
19) Methyl tert-butyl Ether	5.216	73	83003	19.093	ug/l	96
20) Methylene Chloride	4.716	84	39468	20.656	ug/l	95
21) trans-1,2-Dichloroethene	5.222	96	32833	20.264	ug/l	99
22) Diisopropyl ether	6.119	45	74505	20.228	ug/l	98
23) Vinyl Acetate	6.064	43	219298	98.763	ug/l	99
24) 1,1-Dichloroethane	6.015	63	52165	19.811	ug/l	96
25) 2-Butanone	6.984	43	47491	93.713	ug/l	96
26) 2,2-Dichloropropane	6.978	77	56220	19.433	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	36961	19.657	ug/l	99
28) Bromochloromethane	7.332	49	19137	19.994	ug/l	97
29) Tetrahydrofuran	7.350	42	25939	94.679	ug/l	98
30) Chloroform	7.509	83	61745	19.450	ug/l	97
31) Cyclohexane	7.783	56	43890	20.004	ug/l	96
32) 1,1,1-Trichloroethane	7.704	97	60727	19.713	ug/l	100
36) 1,1-Dichloropropene	7.917	75	43614	20.117	ug/l	99
37) Ethyl Acetate	7.076	43	18473	18.883	ug/l	98
38) Carbon Tetrachloride	7.899	117	57951	19.912	ug/l	98
39) Methylcyclohexane	9.185	83	53264	20.417	ug/l	98
40) Benzene	8.161	78	129141	20.167	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	9635m	17.980	ug/l	
42) 1,2-Dichloroethane	8.240	62	41565	20.026	ug/l	99
43) Isopropyl Acetate	8.271	43	35253	19.436	ug/l	99
44) Trichloroethene	8.941	130	39043	20.029	ug/l	96
45) 1,2-Dichloropropane	9.216	63	27311	19.669	ug/l	99
46) Dibromomethane	9.307	93	18172	19.765	ug/l	97
47) Bromodichloromethane	9.496	83	46224	19.390	ug/l	95
48) Methyl methacrylate	9.295	41	15612	18.830	ug/l	97
49) 1,4-Dioxane	9.301	88	4784	376.936	ug/l	98
51) 4-Methyl-2-Pentanone	10.069	43	93860	95.911	ug/l	99
52) Toluene	10.246	92	86719	19.970	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	46617	19.407	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	51037	19.633	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	26263	19.550	ug/l	93
56) Ethyl methacrylate	10.508	69	32898	19.491	ug/l	98
57) 1,3-Dichloropropane	10.788	76	42609	19.652	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	79302	104.533	ug/l	99
59) 2-Hexanone	10.831	43	71000	96.003	ug/l	99
60) Dibromochloromethane	10.984	129	34944	19.513	ug/l	98
61) 1,2-Dibromoethane	11.087	107	24844	19.737	ug/l	98
64) Tetrachloroethene	10.721	164	43455	20.703	ug/l	95
65) Chlorobenzene	11.514	112	93485	19.605	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	36202	19.373	ug/l	99
67) Ethyl Benzene	11.593	91	167158	19.968	ug/l	100
68) m/p-Xylenes	11.703	106	134343	40.204	ug/l	99
69) o-Xylene	12.026	106	62634	19.682	ug/l	97
70) Styrene	12.044	104	107680	19.952	ug/l	99
71) Bromoform	12.209	173	23214	19.654	ug/l #	100
73) Isopropylbenzene	12.331	105	172117	19.565	ug/l	100
74) N-amyl acetate	12.142	43	29713	18.658	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	27235	19.146	ug/l	97
76) 1,2,3-Trichloropropane	12.630	75	22499m	18.475	ug/l	
77) Bromobenzene	12.605	156	41679	19.547	ug/l	98
78) n-propylbenzene	12.672	91	199448	19.698	ug/l	100
79) 2-Chlorotoluene	12.758	91	113727	19.785	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	150058	19.815	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	10301	19.122	ug/l	99
82) 4-Chlorotoluene	12.855	91	119486	19.816	ug/l	99
83) tert-Butylbenzene	13.075	119	128624	19.368	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	147746	19.828	ug/l	100
85) sec-Butylbenzene	13.251	105	187447	19.730	ug/l	100
86) p-Isopropyltoluene	13.367	119	163836	19.878	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	82899	19.540	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	82251	19.355	ug/l	98
89) n-Butylbenzene	13.696	91	139448	19.797	ug/l	99
90) Hexachloroethane	13.959	117	28808	19.043	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	73828	19.345	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5411	19.115	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	45247	19.134	ug/l	99
94) Hexachlorobutadiene	15.111	225	28726	19.554	ug/l	99
95) Naphthalene	15.239	128	83986	18.501	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	38701	18.907	ug/l	99

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

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