

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102221\
 Data File : VY006434.D
 Acq On : 22 Oct 2021 12:30
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Quant Time: Oct 23 06:34:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102221S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 23 06:31:41 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Vimala Arumugam 10/25/2021
 Supervised By :Mahesh Dadoda 10/25/2021

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	131318	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	203008	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	188744	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	97146	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	31751	19.648	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.300%#		
35) Dibromofluoromethane	7.722	113	21963	19.410	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	38.820%#		
50) Toluene-d8	10.179	98	93420	19.476	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	38.960%#		
62) 4-Bromofluorobenzene	12.483	95	32039	19.829	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	39.660%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	22771	18.759	ug/l	95
3) Chloromethane	2.119	50	29320	17.895	ug/l	98
4) Vinyl Chloride	2.253	62	32996	18.032	ug/l	99
5) Bromomethane	2.643	94	23900	19.605	ug/l	99
6) Chloroethane	2.796	64	20929	19.369	ug/l	93
7) Trichlorofluoromethane	3.131	101	45592	19.622	ug/l	99
8) Diethyl Ether	3.534	74	14735	19.364	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.905	101	22960	19.409	ug/l	100
10) Methyl Iodide	4.101	142	18673	16.655	ug/l	99
11) Tert butyl alcohol	4.960	59	13695	93.288	ug/l #	90
12) 1,1-Dichloroethene	3.881	96	22966	19.371	ug/l	95
13) Acrolein	3.729	56	11449	112.811	ug/l	100
14) Allyl chloride	4.485	41	46895	19.218	ug/l	99
15) Acrylonitrile	5.167	53	40905	95.456	ug/l	98
16) Acetone	3.948	43	39959	85.877	ug/l	98
17) Carbon Disulfide	4.204	76	70352	18.092	ug/l	100
18) Methyl Acetate	4.478	43	28850	19.120	ug/l	99
19) Methyl tert-butyl Ether	5.228	73	73167	19.250	ug/l	97
20) Methylene Chloride	4.728	84	31342	18.091	ug/l	97
21) trans-1,2-Dichloroethene	5.228	96	25507	18.972	ug/l	99
22) Diisopropyl ether	6.125	45	96316	19.805	ug/l	98
23) Vinyl Acetate	6.070	43	285148	96.404	ug/l	99
24) 1,1-Dichloroethane	6.027	63	49348	19.406	ug/l	99
25) 2-Butanone	6.990	43	54545	89.477	ug/l	99
26) 2,2-Dichloropropane	6.984	77	46725	19.319	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	29586	19.276	ug/l	99
28) Bromochloromethane	7.338	49	21112	20.463	ug/l	99
29) Tetrahydrofuran	7.350	42	35233	94.207	ug/l	100
30) Chloroform	7.515	83	51135	19.472	ug/l	95
31) Cyclohexane	7.789	56	47845	18.289	ug/l #	95
32) 1,1,1-Trichloroethane	7.710	97	47397	19.546	ug/l	99
36) 1,1-Dichloropropene	7.923	75	37592	18.741	ug/l	99
37) Ethyl Acetate	7.082	43	24625	19.398	ug/l	99
38) Carbon Tetrachloride	7.905	117	42471	19.193	ug/l	99
39) Methylcyclohexane	9.185	83	45118	18.477	ug/l	100
40) Benzene	8.167	78	109736	19.181	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	13007m	19.366	ug/l	
42) 1,2-Dichloroethane	8.246	62	39301	19.237	ug/l	100
43) Isopropyl Acetate	8.277	43	47227	19.177	ug/l	99
44) Trichloroethene	8.941	130	27801	18.842	ug/l	98
45) 1,2-Dichloropropane	9.222	63	27689	19.540	ug/l	99
46) Dibromomethane	9.307	93	14677	18.869	ug/l	99
47) Bromodichloromethane	9.502	83	39569	19.554	ug/l	97
48) Methyl methacrylate	9.295	41	21361	18.715	ug/l	99
49) 1,4-Dioxane	9.301	88	3907	369.970	ug/l	99
51) 4-Methyl-2-Pentanone	10.075	43	122223	94.677	ug/l	100
52) Toluene	10.246	92	67161	18.710	ug/l	98
53) t-1,3-Dichloropropene	10.471	75	40747	18.692	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	45654	19.330	ug/l	100
55) 1,1,2-Trichloroethane	10.648	97	20262	18.840	ug/l	97
56) Ethyl methacrylate	10.514	69	30836	18.559	ug/l	99
57) 1,3-Dichloropropane	10.794	76	37212	19.038	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	80223	105.840	ug/l	100
59) 2-Hexanone	10.837	43	86805	92.907	ug/l	100
60) Dibromochloromethane	10.983	129	25583	19.285	ug/l	98
61) 1,2-Dibromoethane	11.087	107	19048	18.811	ug/l	99
64) Tetrachloroethene	10.721	164	32888	19.928	ug/l	95
65) Chlorobenzene	11.520	112	71086	19.352	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	26616	19.248	ug/l	98
67) Ethyl Benzene	11.593	91	131950	18.865	ug/l	100
68) m/p-Xylenes	11.703	106	101104	38.423	ug/l	99
69) o-Xylene	12.032	106	48133	19.171	ug/l	100
70) Styrene	12.044	104	83029	19.341	ug/l	99
71) Bromoform	12.209	173	16733	19.143	ug/l #	98
73) Isopropylbenzene	12.331	105	128681	18.936	ug/l	99
74) N-amyl acetate	12.142	43	42353	18.788	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	21821	18.548	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	19926m	37.300	ug/l	
77) Bromobenzene	12.611	156	30139	18.825	ug/l	99
78) n-propylbenzene	12.672	91	158370	18.858	ug/l	99
79) 2-Chlorotoluene	12.757	91	89373	19.223	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	109879	19.310	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	9083	18.627	ug/l	98
82) 4-Chlorotoluene	12.855	91	91543	18.896	ug/l	100
83) tert-Butylbenzene	13.074	119	92966	19.013	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	108554	19.080	ug/l	99
85) sec-Butylbenzene	13.251	105	140507	19.137	ug/l	100
86) p-Isopropyltoluene	13.367	119	119000	18.999	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	61506	19.141	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	60229	19.063	ug/l	98
89) n-Butylbenzene	13.696	91	112500	19.093	ug/l	99
90) Hexachloroethane	13.958	117	22184	19.610	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	55078	19.542	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4899	19.615	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	35169	18.902	ug/l	100
94) Hexachlorobutadiene	15.111	225	23175	19.434	ug/l	99
95) Naphthalene	15.239	128	66557	18.275	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	30553	18.752	ug/l	99

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

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