

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041624\
 Data File : VY017941.D
 Acq On : 16 Apr 2024 11:31
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/17/2024
 Supervised By :Semsettin Yesilyurt 04/17/2024

Quant Time: Apr 17 06:05:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041624S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:02:45 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	423596	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	679871	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	586498	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	273177	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	36854	10.054	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.100%#		
35) Dibromofluoromethane	7.716	113	39553	9.430	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	18.860%#		
50) Toluene-d8	10.179	98	152024	9.552	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	19.100%#		
62) 4-Bromofluorobenzene	12.483	95	45326	9.196	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	18.400%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	36088	10.739	ug/l	96
3) Chloromethane	2.107	50	60103	10.794	ug/l	96
4) Vinyl Chloride	2.247	62	66188	10.546	ug/l	99
5) Bromomethane	2.650	94	42219	10.106	ug/l	97
6) Chloroethane	2.790	64	41369	10.441	ug/l	96
7) Trichlorofluoromethane	3.119	101	75556	10.682	ug/l	97
8) Diethyl Ether	3.527	74	21660	9.691	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.893	101	46561	10.571	ug/l	99
10) Methyl Iodide	4.088	142	56513	9.644	ug/l	99
11) Tert butyl alcohol	4.954	59	15587	47.535	ug/l #	85
12) 1,1-Dichloroethene	3.869	96	43407	10.151	ug/l	93
13) Acrolein	3.735	56	13766	48.219	ug/l	97
14) Allyl chloride	4.472	41	54187	9.792	ug/l	94
15) Acrylonitrile	5.161	53	43390	47.813	ug/l	99
16) Acetone	3.948	43	34892	48.174	ug/l	97
17) Carbon Disulfide	4.192	76	141795	10.424	ug/l	98
18) Methyl Acetate	4.479	43	18802	9.868	ug/l	99
19) Methyl tert-butyl Ether	5.216	73	86564	9.289	ug/l	99
20) Methylene Chloride	4.710	84	54357	11.077	ug/l	98
21) trans-1,2-Dichloroethene	5.216	96	46256	9.875	ug/l	99
22) Diisopropyl ether	6.118	45	119701	9.867	ug/l	95
23) Vinyl Acetate	6.064	43	337815	46.960	ug/l	97
24) 1,1-Dichloroethane	6.015	63	79645	10.055	ug/l	97
25) 2-Butanone	6.984	43	50472	47.408	ug/l	90
26) 2,2-Dichloropropane	6.984	77	63907	10.057	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	51468	9.621	ug/l	96
28) Bromochloromethane	7.332	49	32416	10.404	ug/l	91
29) Tetrahydrofuran	7.356	42	31705	46.928	ug/l	95
30) Chloroform	7.508	83	81368	10.052	ug/l	98
31) Cyclohexane	7.783	56	73257	10.455	ug/l #	91
32) 1,1,1-Trichloroethane	7.704	97	67677	10.038	ug/l	97
36) 1,1-Dichloropropene	7.917	75	61382	10.063	ug/l	98
37) Ethyl Acetate	7.070	43	23223	9.254	ug/l #	97
38) Carbon Tetrachloride	7.899	117	60287	9.783	ug/l	99
39) Methylcyclohexane	9.185	83	77603	9.763	ug/l	95
40) Benzene	8.161	78	186186	9.745	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	14935m	9.429	ug/l	
42) 1,2-Dichloroethane	8.240	62	42731	9.761	ug/l	99
43) Isopropyl Acetate	8.271	43	43137	9.221	ug/l	99
44) Trichloroethene	8.941	130	47894	9.864	ug/l	94
45) 1,2-Dichloropropane	9.215	63	42495	9.662	ug/l	99
46) Dibromomethane	9.307	93	22922	9.422	ug/l	95
47) Bromodichloromethane	9.496	83	59099	9.683	ug/l	99
48) Methyl methacrylate	9.295	41	19882	9.275	ug/l	95
49) 1,4-Dioxane	9.307	88	5292	190.542	ug/l #	94
51) 4-Methyl-2-Pentanone	10.069	43	113077	45.596	ug/l	98
52) Toluene	10.246	92	113418	9.674	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	51172	9.183	ug/l	95
54) cis-1,3-Dichloropropene	9.929	75	65170	9.520	ug/l	100
55) 1,1,2-Trichloroethane	10.648	97	32436	9.808	ug/l	98
56) Ethyl methacrylate	10.508	69	37344	8.662	ug/l	97
57) 1,3-Dichloropropane	10.788	76	53849	9.616	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	103626	46.238	ug/l	99
59) 2-Hexanone	10.831	43	75494	44.594	ug/l	97
60) Dibromochloromethane	10.983	129	40483	9.525	ug/l	98
61) 1,2-Dibromoethane	11.087	107	28832	9.355	ug/l	99
64) Tetrachloroethene	10.721	164	41123	9.788	ug/l	99
65) Chlorobenzene	11.514	112	125522	9.765	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	40381	9.527	ug/l	97
67) Ethyl Benzene	11.593	91	206175	9.526	ug/l	99
68) m/p-Xylenes	11.703	106	159070	19.136	ug/l	98
69) o-Xylene	12.026	106	72289	9.312	ug/l	98
70) Styrene	12.044	104	121435	9.255	ug/l	98
71) Bromoform	12.209	173	23298	9.514	ug/l #	96
73) Isopropylbenzene	12.331	105	195607	9.827	ug/l	100
74) N-amyl acetate	12.142	43	36960	9.198	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	36978	9.961	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	25959m	10.152	ug/l	
77) Bromobenzene	12.605	156	45667	9.480	ug/l	98
78) n-propylbenzene	12.672	91	237814	9.847	ug/l	100
79) 2-Chlorotoluene	12.758	91	132334	9.789	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	152694	9.674	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	11852	9.533	ug/l	98
82) 4-Chlorotoluene	12.855	91	138714	9.908	ug/l	98
83) tert-Butylbenzene	13.075	119	138811	9.629	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	151731	9.653	ug/l	99
85) sec-Butylbenzene	13.251	105	214814	9.921	ug/l	99
86) p-Isopropyltoluene	13.367	119	171537	9.641	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	92688	9.698	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	93487	9.964	ug/l	98
89) n-Butylbenzene	13.696	91	164501	9.828	ug/l	98
90) Hexachloroethane	13.959	117	35540	9.741	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	80222	9.729	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4599	9.631	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	45602	9.497	ug/l	96
94) Hexachlorobutadiene	15.111	225	28915	10.151	ug/l	99
95) Naphthalene	15.233	128	68281	8.629	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	37254	9.246	ug/l	98

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

