

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022624\
 Data File : VY017487.D
 Acq On : 26 Feb 2024 17:23
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 27 01:55:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 24 04:41:20 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/27/2024
 Supervised By :Semsettin Yesilyurt 02/27/2024

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	159909	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	247973	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	219958	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	106436	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	56408	37.221	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	74.440%		
35) Dibromofluoromethane	7.722	113	65447	37.875	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	75.760%		
50) Toluene-d8	10.185	98	245772	40.680	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	81.360%		
62) 4-Bromofluorobenzene	12.483	95	77004	40.556	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	81.120%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	56962	48.290	ug/l	98
3) Chloromethane	2.113	50	98078	45.507	ug/l	98
4) Vinyl Chloride	2.247	62	125386	45.348	ug/l	99
5) Bromomethane	2.650	94	107906	47.890	ug/l	95
6) Chloroethane	2.790	64	83064	47.621	ug/l	99
7) Trichlorofluoromethane	3.125	101	135795	48.188	ug/l	96
8) Diethyl Ether	3.527	74	41830	50.610	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.899	101	82353	50.807	ug/l	98
10) Methyl Iodide	4.094	142	83458	45.879	ug/l	99
11) Tert butyl alcohol	4.966	59	27462	213.326	ug/l #	82
12) 1,1-Dichloroethene	3.869	96	77350	51.205	ug/l	94
13) Acrolein	3.729	56	47269	278.284	ug/l	100
14) Allyl chloride	4.479	41	92215	50.522	ug/l	96
15) Acrylonitrile	5.161	53	89395	263.106	ug/l	100
16) Acetone	3.948	43	76596	260.578	ug/l	99
17) Carbon Disulfide	4.198	76	225173	49.661	ug/l	98
18) Methyl Acetate	4.479	43	38138	53.479	ug/l	97
19) Methyl tert-butyl Ether	5.228	73	182868	51.938	ug/l	100
20) Methylene Chloride	4.722	84	98238	57.730	ug/l	95
21) trans-1,2-Dichloroethene	5.222	96	90371	51.095	ug/l	98
22) Diisopropyl ether	6.125	45	221868	52.676	ug/l	98
23) Vinyl Acetate	6.064	43	667329	265.884	ug/l	100
24) 1,1-Dichloroethane	6.021	63	145974	50.729	ug/l	100
25) 2-Butanone	6.984	43	111813	266.913	ug/l	96
26) 2,2-Dichloropropane	6.984	77	120475	49.797	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	104779	52.762	ug/l	96
28) Bromochloromethane	7.338	49	50631	44.677	ug/l	96
29) Tetrahydrofuran	7.350	42	68537	271.409	ug/l	99
30) Chloroform	7.508	83	158102	51.607	ug/l	99
31) Cyclohexane	7.789	56	121041	49.077	ug/l	96
32) 1,1,1-Trichloroethane	7.704	97	134641	50.621	ug/l	98
36) 1,1-Dichloropropene	7.923	75	119925	51.439	ug/l	99
37) Ethyl Acetate	7.076	43	48795	52.991	ug/l	98
38) Carbon Tetrachloride	7.905	117	121224	51.881	ug/l	98
39) Methylcyclohexane	9.185	83	149630	53.405	ug/l	97
40) Benzene	8.167	78	361479	52.210	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	25322m	54.800	ug/l	
42) 1,2-Dichloroethane	8.240	62	87059	51.537	ug/l	97
43) Isopropyl Acetate	8.277	43	86610	53.525	ug/l	99
44) Trichloroethene	8.941	130	101331	50.777	ug/l	99
45) 1,2-Dichloropropane	9.222	63	85567	51.946	ug/l	98
46) Dibromomethane	9.307	93	50292	53.348	ug/l	97
47) Bromodichloromethane	9.496	83	121018	52.870	ug/l	99
48) Methyl methacrylate	9.295	41	38831	51.845	ug/l	92
49) 1,4-Dioxane	9.301	88	11770	1103.215	ug/l #	98
51) 4-Methyl-2-Pentanone	10.069	43	245950	272.727	ug/l	99
52) Toluene	10.246	92	229731	52.634	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	113464	53.405	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	136563	52.900	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	69695	52.070	ug/l	97
56) Ethyl methacrylate	10.514	69	84696	51.363	ug/l	97
57) 1,3-Dichloropropane	10.794	76	115056	52.871	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	197356	255.521	ug/l	97
59) 2-Hexanone	10.831	43	173723	280.452	ug/l	98
60) Dibromochloromethane	10.990	129	85060	53.719	ug/l	100
61) 1,2-Dibromoethane	11.087	107	66167	53.643	ug/l	99
64) Tetrachloroethene	10.721	164	105069	49.767	ug/l	98
65) Chlorobenzene	11.520	112	244676	52.407	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	92291	52.766	ug/l	100
67) Ethyl Benzene	11.593	91	441272	53.893	ug/l	97
68) m/p-Xylenes	11.703	106	348835	108.423	ug/l	98
69) o-Xylene	12.032	106	163462	54.764	ug/l	97
70) Styrene	12.044	104	273688	55.240	ug/l	98
71) Bromoform	12.209	173	53041	54.724	ug/l #	97
73) Isopropylbenzene	12.331	105	423559	53.564	ug/l	99
74) N-amyl acetate	12.148	43	76770	55.045	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	75578	55.658	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	48681m	48.137	ug/l	
77) Bromobenzene	12.611	156	100906	52.694	ug/l	96
78) n-propylbenzene	12.672	91	509783	53.728	ug/l	99
79) 2-Chlorotoluene	12.758	91	279110	52.541	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	340599	53.763	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	23442	53.262	ug/l	97
82) 4-Chlorotoluene	12.855	91	283491	52.175	ug/l	97
83) tert-Butylbenzene	13.075	119	309271	55.594	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	339777	54.326	ug/l	100
85) sec-Butylbenzene	13.257	105	460201	54.108	ug/l	100
86) p-Isopropyltoluene	13.373	119	384071	55.163	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	201274	52.364	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	195209	52.238	ug/l	99
89) n-Butylbenzene	13.696	91	346316	54.518	ug/l	100
90) Hexachloroethane	13.965	117	72844	52.186	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	175370	53.939	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	9903	51.876	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	95667	55.707	ug/l	99
94) Hexachlorobutadiene	15.111	225	57885	54.594	ug/l	100
95) Naphthalene	15.239	128	166779	50.111	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	81169	55.095	ug/l	99

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

