

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022324\
 Data File : VY017473.D
 Acq On : 23 Feb 2024 18:43
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY022324

Quant Time: Feb 24 05:02:34 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 02/26/2024
 Supervised By :Semsettin Yesilyurt 02/26/2024

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	163670	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	257749	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	228928	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	108933	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	72684	46.858	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.720%		
35) Dibromofluoromethane	7.722	113	82605	45.992	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.980%		
50) Toluene-d8	10.185	98	306967	48.882	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.760%		
62) 4-Bromofluorobenzene	12.489	95	96055	48.671	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	97.340%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.899	85	54582	45.209	ug/l	96
3) Chloromethane	2.113	50	101775	46.137	ug/l	98
4) Vinyl Chloride	2.247	62	131830	46.583	ug/l	99
5) Bromomethane	2.643	94	109232	47.364	ug/l	98
6) Chloroethane	2.790	64	86482	48.442	ug/l	100
7) Trichlorofluoromethane	3.119	101	135652	47.031	ug/l	97
8) Diethyl Ether	3.527	74	41391	48.928	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.893	101	77486	46.705	ug/l	99
10) Methyl Iodide	4.088	142	89441	48.038	ug/l	99
11) Tert butyl alcohol	4.954	59	27656	209.896	ug/l #	83
12) 1,1-Dichloroethene	3.869	96	73444	47.502	ug/l	99
13) Acrolein	3.722	56	43533	250.400	ug/l	99
14) Allyl chloride	4.478	41	89422	47.866	ug/l	98
15) Acrylonitrile	5.161	53	84986	244.382	ug/l	99
16) Acetone	3.942	43	70335	233.779	ug/l	99
17) Carbon Disulfide	4.192	76	217409	46.847	ug/l	99
18) Methyl Acetate	4.472	43	36110	49.472	ug/l	97
19) Methyl tert-butyl Ether	5.216	73	179595	49.836	ug/l	99
20) Methylene Chloride	4.716	84	87219	49.262	ug/l	97
21) trans-1,2-Dichloroethene	5.216	96	85815	47.404	ug/l	100
22) Diisopropyl ether	6.118	45	212206	49.225	ug/l	96
23) Vinyl Acetate	6.057	43	641259	249.626	ug/l	99
24) 1,1-Dichloroethane	6.015	63	139800	47.467	ug/l	100
25) 2-Butanone	6.984	43	104952	244.778	ug/l	99
26) 2,2-Dichloropropane	6.978	77	115441	46.620	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	97647	48.041	ug/l	99
28) Bromochloromethane	7.338	49	60493	52.153	ug/l	98
29) Tetrahydrofuran	7.350	42	64950	251.294	ug/l	100
30) Chloroform	7.508	83	150217	47.906	ug/l	98
31) Cyclohexane	7.789	56	117407	46.510	ug/l	100
32) 1,1,1-Trichloroethane	7.703	97	128149	47.073	ug/l	99
36) 1,1-Dichloropropene	7.923	75	114200	47.126	ug/l	99
37) Ethyl Acetate	7.075	43	43779	45.741	ug/l #	96
38) Carbon Tetrachloride	7.904	117	115359	47.498	ug/l	98
39) Methylcyclohexane	9.185	83	140508	48.247	ug/l	97
40) Benzene	8.161	78	340424	47.304	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	24750m	51.531	ug/l	
42) 1,2-Dichloroethane	8.240	62	83364	47.478	ug/l	99
43) Isopropyl Acetate	8.276	43	82802	49.231	ug/l	99
44) Trichloroethene	8.941	130	94665	45.638	ug/l	98
45) 1,2-Dichloropropane	9.221	63	80661	47.111	ug/l	99
46) Dibromomethane	9.307	93	47529	48.505	ug/l	99
47) Bromodichloromethane	9.502	83	113778	47.822	ug/l	98
48) Methyl methacrylate	9.294	41	39257	50.426	ug/l	99
49) 1,4-Dioxane	9.301	88	11150	1005.462	ug/l #	95
51) 4-Methyl-2-Pentanone	10.075	43	231244	246.694	ug/l	99
52) Toluene	10.246	92	215542	47.510	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	107703	48.771	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	127330	47.452	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	64540	46.390	ug/l	98
56) Ethyl methacrylate	10.514	69	79263	46.498	ug/l	99
57) 1,3-Dichloropropane	10.794	76	107303	47.438	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	216808	270.059	ug/l	99
59) 2-Hexanone	10.837	43	162131	251.811	ug/l	99
60) Dibromochloromethane	10.989	129	78463	47.673	ug/l	99
61) 1,2-Dibromoethane	11.093	107	62057	48.403	ug/l	97
64) Tetrachloroethene	10.727	164	95908	43.648	ug/l	99
65) Chlorobenzene	11.520	112	226434	46.599	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	84417	46.373	ug/l	100
67) Ethyl Benzene	11.599	91	409931	48.104	ug/l	98
68) m/p-Xylenes	11.709	106	323764	96.688	ug/l	99
69) o-Xylene	12.032	106	151028	48.616	ug/l	100
70) Styrene	12.050	104	253096	49.082	ug/l	98
71) Bromoform	12.215	173	48416	47.995	ug/l #	97
73) Isopropylbenzene	12.337	105	388826	48.045	ug/l	99
74) N-amyl acetate	12.148	43	74158	51.954	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	69078	49.705	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	49112m	47.450	ug/l	
77) Bromobenzene	12.611	156	92884	47.393	ug/l	98
78) n-propylbenzene	12.678	91	471375	48.541	ug/l	99
79) 2-Chlorotoluene	12.763	91	260253	47.868	ug/l	100
80) 1,3,5-Trimethylbenzene	12.818	105	315165	48.608	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.385	75	21866	48.543	ug/l	98
82) 4-Chlorotoluene	12.861	91	266177	47.866	ug/l	98
83) tert-Butylbenzene	13.080	119	277763	48.785	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	311828	48.715	ug/l	100
85) sec-Butylbenzene	13.257	105	423090	48.604	ug/l	100
86) p-Isopropyltoluene	13.373	119	352852	49.517	ug/l	100
87) 1,3-Dichlorobenzene	13.373	146	183064	46.535	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	180341	47.153	ug/l	98
89) n-Butylbenzene	13.702	91	322562	49.614	ug/l	100
90) Hexachloroethane	13.964	117	65698	45.988	ug/l	99
91) 1,2-Dichlorobenzene	13.745	146	158496	47.632	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	9519	48.722	ug/l	98
93) 1,2,4-Trichlorobenzene	15.013	180	85997	48.928	ug/l	99
94) Hexachlorobutadiene	15.117	225	49445	45.565	ug/l	99
95) Naphthalene	15.239	128	155552	46.013	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	73846	48.976	ug/l	100

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

