

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021524\
 Data File : VY017385.D
 Acq On : 15 Feb 2024 12:02
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY021524

Quant Time: Feb 16 02:13:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021424S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 15 03:16:56 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/16/2024
 Supervised By :Semsettin Yesilyurt 02/16/2024

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	100329	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.710	114	177343	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	155015	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	67467	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	54085	50.802	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.600%			
35) Dibromofluoromethane	7.740	113	52616	46.535	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.080%			
50) Toluene-d8	10.197	98	208108	47.501	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.000%			
62) 4-Bromofluorobenzene	12.496	95	64144	47.758	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.520%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	38861	45.476	ug/l	98
3) Chloromethane	2.125	50	85582	52.933	ug/l	99
4) Vinyl Chloride	2.260	62	105566	54.717	ug/l	98
5) Bromomethane	2.662	94	75534	55.155	ug/l	95
6) Chloroethane	2.808	64	67641	55.021	ug/l	97
7) Trichlorofluoromethane	3.137	101	89001	45.914	ug/l	96
8) Diethyl Ether	3.546	74	28340	50.635	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.918	101	53384	45.776	ug/l	98
10) Methyl Iodide	4.113	142	54127	47.219	ug/l	99
11) Tert butyl alcohol	4.979	59	18533	305.336	ug/l	98
12) 1,1-Dichloroethene	3.893	96	50167	46.640	ug/l	97
13) Acrolein	3.747	56	24626	214.051	ug/l	98
14) Allyl chloride	4.503	41	79226	49.812	ug/l	98
15) Acrylonitrile	5.180	53	64464	267.733	ug/l	99
16) Acetone	3.960	43	65196	258.828	ug/l	95
17) Carbon Disulfide	4.217	76	157384	45.868	ug/l	99
18) Methyl Acetate	4.497	43	56851	57.243	ug/l	97
19) Methyl tert-butyl Ether	5.241	73	127664	53.392	ug/l	97
20) Methylene Chloride	4.735	84	59644	51.511	ug/l	99
21) trans-1,2-Dichloroethene	5.241	96	59010	48.021	ug/l	97
22) Diisopropyl ether	6.137	45	178443	52.353	ug/l	97
23) Vinyl Acetate	6.076	43	431030	246.322	ug/l	100
24) 1,1-Dichloroethane	6.039	63	103246	48.550	ug/l	98
25) 2-Butanone	7.003	43	90579	260.142	ug/l	98
26) 2,2-Dichloropropane	7.003	77	88614	48.651	ug/l	98
27) cis-1,2-Dichloroethene	7.009	96	64462	48.723	ug/l	97
28) Bromochloromethane	7.356	49	45016	55.890	ug/l	96
29) Tetrahydrofuran	7.368	42	53389	276.494	ug/l	99
30) Chloroform	7.527	83	103913	49.003	ug/l	98
31) Cyclohexane	7.807	56	95450	47.095	ug/l	98
32) 1,1,1-Trichloroethane	7.722	97	89015	47.311	ug/l	97
36) 1,1-Dichloropropene	7.935	75	82337	44.475	ug/l	100
37) Ethyl Acetate	7.094	43	36301	48.232	ug/l	99
38) Carbon Tetrachloride	7.923	117	78167	44.003	ug/l	98
39) Methylcyclohexane	9.203	83	102027	46.028	ug/l	98
40) Benzene	8.179	78	240649	46.397	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	18357	47.854	ug/l	93
42) 1,2-Dichloroethane	8.252	62	64340	48.740	ug/l	99
43) Isopropyl Acetate	8.289	43	70565	52.340	ug/l	99
44) Trichloroethene	8.960	130	59461	44.364	ug/l	99
45) 1,2-Dichloropropane	9.234	63	60100	48.146	ug/l	100
46) Dibromomethane	9.319	93	31805	49.101	ug/l	95
47) Bromodichloromethane	9.514	83	79284	47.589	ug/l	99
48) Methyl methacrylate	9.307	41	40579	57.087	ug/l	97
49) 1,4-Dioxane	9.313	88	7000	1048.778	ug/l	96
51) 4-Methyl-2-Pentanone	10.087	43	196093	267.693	ug/l	100
52) Toluene	10.258	92	147113	46.673	ug/l	98
53) t-1,3-Dichloropropene	10.484	75	75912	49.183	ug/l	98
54) cis-1,3-Dichloropropene	9.947	75	91097	48.214	ug/l	96
55) 1,1,2-Trichloroethane	10.660	97	42984	48.387	ug/l	96
56) Ethyl methacrylate	10.526	69	41094	45.385	ug/l	97
57) 1,3-Dichloropropane	10.807	76	75523	49.361	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.795	63	156295	269.138	ug/l	97
59) 2-Hexanone	10.849	43	139480	264.966	ug/l	100
60) Dibromochloromethane	11.002	129	49511	47.990	ug/l	100
61) 1,2-Dibromoethane	11.106	107	39510	48.498	ug/l	99
64) Tetrachloroethene	10.734	164	48748	42.534	ug/l	99
65) Chlorobenzene	11.532	112	148297	45.124	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.605	131	53265	45.058	ug/l	98
67) Ethyl Benzene	11.605	91	282436	46.657	ug/l	98
68) m/p-Xylenes	11.715	106	212252	92.994	ug/l	98
69) o-Xylene	12.044	106	97099	47.027	ug/l	99
70) Styrene	12.057	104	143113	45.179	ug/l	98
71) Bromoform	12.221	173	26493	46.225	ug/l #	96
73) Isopropylbenzene	12.343	105	262682	46.720	ug/l	100
74) N-amyl acetate	12.154	43	58983	53.060	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.593	83	50413	50.032	ug/l	97
76) 1,2,3-Trichloropropane	12.648	75	37234m	55.223	ug/l	
77) Bromobenzene	12.624	156	53951	45.565	ug/l	95
78) n-propylbenzene	12.685	91	328971	47.527	ug/l	98
79) 2-Chlorotoluene	12.770	91	176879	46.829	ug/l	99
80) 1,3,5-Trimethylbenzene	12.825	105	212795	48.159	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.392	75	15905	52.231	ug/l	98
82) 4-Chlorotoluene	12.867	91	180255	46.357	ug/l	99
83) tert-Butylbenzene	13.087	119	177953	46.115	ug/l	95
84) 1,2,4-Trimethylbenzene	13.136	105	210001	48.144	ug/l	97
85) sec-Butylbenzene	13.270	105	273788	46.498	ug/l	100
86) p-Isopropyltoluene	13.386	119	229055	48.073	ug/l	99
87) 1,3-Dichlorobenzene	13.380	146	109145	45.546	ug/l	98
88) 1,4-Dichlorobenzene	13.459	146	107365	46.058	ug/l	99
89) n-Butylbenzene	13.709	91	228460	49.362	ug/l	99
90) Hexachloroethane	13.977	117	45333	45.901	ug/l	96
91) 1,2-Dichlorobenzene	13.751	146	92661	46.920	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.367	75	6676	53.351	ug/l	94
93) 1,2,4-Trichlorobenzene	15.019	180	49579	50.318	ug/l	98
94) Hexachlorobutadiene	15.123	225	27003	44.402	ug/l	99
95) Naphthalene	15.251	128	93738	54.669	ug/l	99
96) 1,2,3-Trichlorobenzene	15.440	180	41897	50.683	ug/l	100

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

