

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021924\
 Data File : VY017402.D
 Acq On : 19 Feb 2024 10:37
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/20/2024
 Supervised By :Semsettin Yesilyurt 02/20/2024

Quant Time: Feb 19 12:06:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021924S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 19 11:54:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	152831	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	241076	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	209607	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	95192	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	72401	43.322	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	86.640%		
35) Dibromofluoromethane	7.722	113	82319	54.084	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	108.160%		
50) Toluene-d8	10.185	98	317002	54.345	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	108.680%		
62) 4-Bromofluorobenzene	12.489	95	95893	53.668	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	107.340%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	46680	37.292	ug/l	99
3) Chloromethane	2.113	50	100773	37.018	ug/l	99
4) Vinyl Chloride	2.253	62	125274	38.352	ug/l	100
5) Bromomethane	2.656	94	100715	42.871	ug/l	98
6) Chloroethane	2.796	64	80834	38.926	ug/l	97
7) Trichlorofluoromethane	3.131	101	113619	36.276	ug/l	98
8) Diethyl Ether	3.534	74	32886	35.987	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.906	101	66353	36.648	ug/l	95
10) Methyl Iodide	4.101	142	72894	40.703	ug/l	98
11) Tert butyl alcohol	4.997	59	16322	122.940	ug/l #	84
12) 1,1-Dichloroethene	3.881	96	61170	36.506	ug/l	93
13) Acrolein	3.741	56	26872	158.382	ug/l	99
14) Allyl chloride	4.491	41	73827	28.504	ug/l #	93
15) Acrylonitrile	5.174	53	62213	155.150	ug/l	99
16) Acetone	3.967	43	57236	127.064	ug/l #	88
17) Carbon Disulfide	4.204	76	182171	34.950	ug/l	98
18) Methyl Acetate	4.491	43	51525	39.163	ug/l	91
19) Methyl tert-butyl Ether	5.235	73	140760	35.002	ug/l	100
20) Methylene Chloride	4.723	84	72758	26.178	ug/l	89
21) trans-1,2-Dichloroethene	5.229	96	72454	37.130	ug/l	92
22) Diisopropyl ether	6.131	45	175707	30.729	ug/l	95
23) Vinyl Acetate	6.070	43	308391m	101.342	ug/l	
24) 1,1-Dichloroethane	6.027	63	115374	33.203	ug/l	97
25) 2-Butanone	6.996	43	75997	129.384	ug/l #	87
26) 2,2-Dichloropropane	6.990	77	101887	34.487	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	79767	36.605	ug/l	92
28) Bromochloromethane	7.338	49	60940	41.243	ug/l #	78
29) Tetrahydrofuran	7.356	42	45450	138.190	ug/l #	86
30) Chloroform	7.515	83	123192	35.101	ug/l	96
31) Cyclohexane	7.795	56	102070	31.733	ug/l	88
32) 1,1,1-Trichloroethane	7.710	97	108696	35.936	ug/l	95
36) 1,1-Dichloropropene	7.923	75	95688	37.585	ug/l	96
37) Ethyl Acetate	7.082	43	34667	31.185	ug/l	97
38) Carbon Tetrachloride	7.911	117	96853	39.984	ug/l	97
39) Methylcyclohexane	9.191	83	120432	40.268	ug/l	93
40) Benzene	8.167	78	286206	39.078	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	17380	33.234	ug/l	95
42) 1,2-Dichloroethane	8.240	62	67499	35.385	ug/l	98
43) Isopropyl Acetate	8.283	43	63803	31.739	ug/l #	92
44) Trichloroethene	8.947	130	77029	41.604	ug/l	95
45) 1,2-Dichloropropane	9.222	63	65582	35.988	ug/l	99
46) Dibromomethane	9.313	93	36616	38.796	ug/l	90
47) Bromodichloromethane	9.502	83	92663	39.018	ug/l	97
48) Methyl methacrylate	9.301	41	36581	36.048	ug/l	91
49) 1,4-Dioxane	9.319	88	7181	753.919	ug/l #	73
51) 4-Methyl-2-Pentanone	10.075	43	170366	157.547	ug/l	93
52) Toluene	10.252	92	178962	40.567	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	84695	37.973	ug/l	95
54) cis-1,3-Dichloropropene	9.935	75	101709	37.434	ug/l	93
55) 1,1,2-Trichloroethane	10.648	97	52138	40.720	ug/l	96
56) Ethyl methacrylate	10.514	69	44414	33.702	ug/l	88
57) 1,3-Dichloropropane	10.795	76	84242	37.914	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	189280	219.961	ug/l	96
59) 2-Hexanone	10.837	43	121543	157.893	ug/l	91
60) Dibromochloromethane	10.990	129	61153	41.423	ug/l	99
61) 1,2-Dibromoethane	11.093	107	47082	39.938	ug/l	97
64) Tetrachloroethene	10.728	164	67198	43.171	ug/l	94
65) Chlorobenzene	11.520	112	184224	40.503	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.599	131	68124	40.997	ug/l	100
67) Ethyl Benzene	11.599	91	335465	39.932	ug/l	100
68) m/p-Xylenes	11.709	106	260058	82.600	ug/l	95
69) o-Xylene	12.038	106	118719	41.078	ug/l	94
70) Styrene	12.050	104	173709	39.189	ug/l	98
71) Bromoform	12.215	173	34562	43.020	ug/l #	97
73) Isopropylbenzene	12.337	105	319306	40.024	ug/l	99
74) N-amyl acetate	12.148	43	52053	30.548	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.587	83	55620	37.035	ug/l	100
76) 1,2,3-Trichloropropane	12.642	75	40690m	44.601	ug/l	
77) Bromobenzene	12.617	156	71214	41.574	ug/l	87
78) n-propylbenzene	12.678	91	380711	38.406	ug/l	97
79) 2-Chlorotoluene	12.764	91	205080	37.409	ug/l	96
80) 1,3,5-Trimethylbenzene	12.819	105	255275	40.095	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.386	75	16141	35.843	ug/l	92
82) 4-Chlorotoluene	12.861	91	214975	38.466	ug/l	98
83) tert-Butylbenzene	13.081	119	220977	40.438	ug/l	95
84) 1,2,4-Trimethylbenzene	13.130	105	251793	40.175	ug/l	98
85) sec-Butylbenzene	13.258	105	325905	39.026	ug/l	99
86) p-Isopropyltoluene	13.373	119	280415	41.100	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	140178	40.980	ug/l	98
88) 1,4-Dichlorobenzene	13.453	146	135094	40.378	ug/l	98
89) n-Butylbenzene	13.703	91	254793	39.104	ug/l	98
90) Hexachloroethane	13.971	117	54153	38.611	ug/l	84
91) 1,2-Dichlorobenzene	13.745	146	119006	41.383	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	6701	35.924	ug/l	79
93) 1,2,4-Trichlorobenzene	15.013	180	62188	44.937	ug/l	98
94) Hexachlorobutadiene	15.123	225	37762	47.344	ug/l	96
95) Naphthalene	15.245	128	105343	42.529	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	51890	44.947	ug/l	98

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

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