

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082924\
 Data File : VY019371.D
 Acq On : 29 Aug 2024 14:55
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/30/2024
 Supervised By :Semsettin Yesilyurt 08/30/2024

Quant Time: Aug 30 02:08:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082924S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:58:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	124397	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	196310	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	166148	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	63064	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	10969	9.309	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	18.620%#		
35) Dibromofluoromethane	7.628	113	11797	9.505	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.000%#		
50) Toluene-d8	10.103	98	41883	9.167	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	18.340%#		
62) 4-Bromofluorobenzene	12.401	95	13688	9.263	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	18.520%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	11547	11.392	ug/l	95
3) Chloromethane	2.062	50	19485	11.816	ug/l	99
4) Vinyl Chloride	2.196	62	20964	11.080	ug/l	97
5) Bromomethane	2.592	94	15859	9.794	ug/l	94
6) Chloroethane	2.726	64	13010	11.290	ug/l	90
7) Trichlorofluoromethane	3.049	101	23391	10.444	ug/l	100
8) Diethyl Ether	3.440	74	5360	10.133	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.805	101	13877	10.914	ug/l	97
10) Methyl Iodide	3.994	142	12436	10.034	ug/l #	85
11) Tert butyl alcohol	4.854	59	3127	47.089	ug/l	98
12) 1,1-Dichloroethene	3.781	96	12089	10.426	ug/l	94
13) Acrolein	3.647	56	4078	52.658	ug/l	98
14) Allyl chloride	4.372	41	15995	9.991	ug/l	88
15) Acrylonitrile	5.049	53	9878	45.711	ug/l #	92
16) Acetone	3.860	43	11351	48.979	ug/l #	81
17) Carbon Disulfide	4.092	76	35588	10.631	ug/l	99
18) Methyl Acetate	4.378	43	5312	10.383	ug/l	100
19) Methyl tert-butyl Ether	5.104	73	25806	9.762	ug/l	99
20) Methylene Chloride	4.604	84	22400	9.285	ug/l	93
21) trans-1,2-Dichloroethene	5.104	96	13431	10.170	ug/l	97
22) Diisopropyl ether	6.006	45	34756	9.650	ug/l	97
23) Vinyl Acetate	5.945	43	94718	47.249	ug/l	98
24) 1,1-Dichloroethane	5.903	63	22758	10.456	ug/l	99
25) 2-Butanone	6.884	43	14362	46.331	ug/l #	86
26) 2,2-Dichloropropane	6.872	77	20003	10.551	ug/l	94
27) cis-1,2-Dichloroethene	6.878	96	15543	10.278	ug/l	95
28) Bromochloromethane	7.238	49	9732	10.883	ug/l #	90
29) Tetrahydrofuran	7.256	42	8848	47.504	ug/l	92
30) Chloroform	7.414	83	24884	10.213	ug/l	97
31) Cyclohexane	7.695	56	21864	10.912	ug/l #	91
32) 1,1,1-Trichloroethane	7.610	97	24382	10.783	ug/l	97
36) 1,1-Dichloropropene	7.829	75	18103	10.321	ug/l	99
37) Ethyl Acetate	6.982	43	6565	9.456	ug/l	98
38) Carbon Tetrachloride	7.811	117	21915	10.252	ug/l	97
39) Methylcyclohexane	9.103	83	22362	9.942	ug/l	99
40) Benzene	8.073	78	54093	10.134	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.201	41	3478	7.937	ug/l #	59
42) 1,2-Dichloroethane	8.146	62	14864	10.493	ug/l	94
43) Isopropyl Acetate	8.189	43	12244	9.037	ug/l #	79
44) Trichloroethene	8.859	130	14955	10.201	ug/l	89
45) 1,2-Dichloropropane	9.140	63	11552	9.985	ug/l	90
46) Dibromomethane	9.231	93	7046	10.125	ug/l	98
47) Bromodichloromethane	9.420	83	18378	10.000	ug/l	98
48) Methyl methacrylate	9.219	41	6162	9.619	ug/l	86
49) 1,4-Dioxane	9.231	88	1392	182.578	ug/l #	93
51) 4-Methyl-2-Pentanone	9.993	43	33066	46.605	ug/l	91
52) Toluene	10.170	92	34126	9.752	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	14061	9.263	ug/l	89
54) cis-1,3-Dichloropropene	9.853	75	17447	9.707	ug/l	94
55) 1,1,2-Trichloroethane	10.566	97	8814	9.929	ug/l	89
56) Ethyl methacrylate	10.438	69	10622	9.211	ug/l #	81
57) 1,3-Dichloropropane	10.719	76	15155	10.451	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.707	63	21683	41.940	ug/l	95
59) 2-Hexanone	10.761	43	22624	48.086	ug/l	85
60) Dibromochloromethane	10.908	129	11943	9.868	ug/l	98
61) 1,2-Dibromoethane	11.011	107	8246	10.083	ug/l	98
64) Tetrachloroethene	10.646	164	16168	9.963	ug/l	92
65) Chlorobenzene	11.438	112	37591	10.113	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.511	131	12962	10.056	ug/l	95
67) Ethyl Benzene	11.517	91	65386	10.061	ug/l	96
68) m/p-Xylenes	11.627	106	51333	19.963	ug/l	97
69) o-Xylene	11.950	106	23695	9.893	ug/l	96
70) Styrene	11.969	104	37974	9.689	ug/l	97
71) Bromoform	12.127	173	6718	9.805	ug/l #	98
73) Isopropylbenzene	12.255	105	62421	12.413	ug/l	100
74) N-amyl acetate	12.072	43	11100	11.480	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.505	83	8942	11.965	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	6946m	12.504	ug/l	
77) Bromobenzene	12.529	156	14463	12.207	ug/l	93
78) n-propylbenzene	12.596	91	72607	11.950	ug/l	100
79) 2-Chlorotoluene	12.682	91	40792	12.051	ug/l	97
80) 1,3,5-Trimethylbenzene	12.737	105	46336	11.695	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.298	75	2669	11.923	ug/l	93
82) 4-Chlorotoluene	12.773	91	41009	11.976	ug/l	98
83) tert-Butylbenzene	12.993	119	41561	11.469	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	42718	11.230	ug/l	97
85) sec-Butylbenzene	13.176	105	57918	10.906	ug/l	99
86) p-Isopropyltoluene	13.291	119	42330	9.785	ug/l	97
87) 1,3-Dichlorobenzene	13.285	146	21953	10.072	ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	22231	10.223	ug/l	98
89) n-Butylbenzene	13.615	91	40633	10.223	ug/l	96
90) Hexachloroethane	13.877	117	9314	10.621	ug/l	94
91) 1,2-Dichlorobenzene	13.657	146	20317	10.561	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	718	7.970	ug/l	99
93) 1,2,4-Trichlorobenzene	14.913	180	7180	7.264	ug/l	97
94) Hexachlorobutadiene	15.023	225	4270	8.226	ug/l	94
95) Naphthalene	15.139	128	11406	7.048	ug/l	97
96) 1,2,3-Trichlorobenzene	15.328	180	6647	7.860	ug/l	93

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

