

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021924\
 Data File : VY017411.D
 Acq On : 19 Feb 2024 18:12
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Quant Time: Feb 20 06:08:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 20 05:58:22 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	169368	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	266905	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	237070	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	115676	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	155231	107.286	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 214.580%#			
35) Dibromofluoromethane	7.728	113	170837	109.345	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 218.700%#			
50) Toluene-d8	10.191	98	672404	110.969	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 221.940%#			
62) 4-Bromofluorobenzene	12.489	95	214911	104.396	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 208.800%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	120076	88.909	ug/l	100
3) Chloromethane	2.119	50	241113	87.478	ug/l	96
4) Vinyl Chloride	2.253	62	322142	89.767	ug/l	98
5) Bromomethane	2.650	94	258447	101.212	ug/l	100
6) Chloroethane	2.796	64	208318	91.126	ug/l	99
7) Trichlorofluoromethane	3.131	101	286028	92.936	ug/l	96
8) Diethyl Ether	3.534	74	88351	101.567	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.906	101	164372	92.400	ug/l	99
10) Methyl Iodide	4.101	142	205429	108.513	ug/l	100
11) Tert butyl alcohol	4.972	59	54907	488.054	ug/l #	82
12) 1,1-Dichloroethene	3.881	96	160164	95.789	ug/l	100
13) Acrolein	3.735	56	77206	512.828	ug/l	98
14) Allyl chloride	4.491	41	199095	98.239	ug/l	100
15) Acrylonitrile	5.174	53	184145	532.462	ug/l	100
16) Acetone	3.954	43	161634	515.819	ug/l	94
17) Carbon Disulfide	4.204	76	497731	93.700	ug/l	98
18) Methyl Acetate	4.491	43	77534	109.116	ug/l	100
19) Methyl tert-butyl Ether	5.235	73	411072	108.839	ug/l	98
20) Methylene Chloride	4.729	84	182702	101.092	ug/l	98
21) trans-1,2-Dichloroethene	5.235	96	192092	99.328	ug/l	99
22) Diisopropyl ether	6.137	45	483964	103.827	ug/l	98
23) Vinyl Acetate	6.076	43	1517283	547.717	ug/l	100
24) 1,1-Dichloroethane	6.027	63	309714	98.005	ug/l	98
25) 2-Butanone	6.997	43	244173	555.122	ug/l	97
26) 2,2-Dichloropropane	6.997	77	270311	99.408	ug/l	98
27) cis-1,2-Dichloroethene	6.997	96	220627	102.714	ug/l	99
28) Bromochloromethane	7.344	49	122092	102.970	ug/l	99
29) Tetrahydrofuran	7.362	42	145711	563.524	ug/l	98
30) Chloroform	7.521	83	328258	98.399	ug/l	100
31) Cyclohexane	7.795	56	268404	93.706	ug/l	97
32) 1,1,1-Trichloroethane	7.716	97	288545	97.927	ug/l	99
36) 1,1-Dichloropropene	7.929	75	260447	99.813	ug/l	99
37) Ethyl Acetate	7.082	43	102580	107.964	ug/l	98
38) Carbon Tetrachloride	7.911	117	259338	99.824	ug/l	100
39) Methylcyclohexane	9.191	83	336985	105.504	ug/l	98
40) Benzene	8.173	78	776488	101.851	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	52463	113.064	ug/l	98
42) 1,2-Dichloroethane	8.246	62	190308	102.838	ug/l	99
43) Isopropyl Acetate	8.283	43	194294	113.159	ug/l	100
44) Trichloroethene	8.947	130	207686	100.502	ug/l	96
45) 1,2-Dichloropropane	9.222	63	182525	103.573	ug/l	99
46) Dibromomethane	9.313	93	106534	106.357	ug/l	100
47) Bromodichloromethane	9.508	83	255691	103.822	ug/l	98
48) Methyl methacrylate	9.301	41	92371	114.663	ug/l	97
49) 1,4-Dioxane	9.307	88	24627	2350.702	ug/l #	96
51) 4-Methyl-2-Pentanone	10.075	43	536471	579.862	ug/l	99
52) Toluene	10.252	92	503671	105.826	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	254711	111.695	ug/l	96
54) cis-1,3-Dichloropropene	9.935	75	300613	107.447	ug/l	99
55) 1,1,2-Trichloroethane	10.654	97	147550	107.060	ug/l	96
56) Ethyl methacrylate	10.514	69	192107	105.988	ug/l	98
57) 1,3-Dichloropropane	10.801	76	245605	107.706	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	456773	554.688	ug/l	99
59) 2-Hexanone	10.837	43	386486	606.495	ug/l	98
60) Dibromochloromethane	10.996	129	178727	109.092	ug/l	99
61) 1,2-Dibromoethane	11.099	107	140727	109.143	ug/l	99
64) Tetrachloroethene	10.728	164	190264	100.283	ug/l	99
65) Chlorobenzene	11.526	112	523612	102.525	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	202504	106.477	ug/l	98
67) Ethyl Benzene	11.599	91	979291	107.211	ug/l	98
68) m/p-Xylenes	11.709	106	773486	215.410	ug/l	99
69) o-Xylene	12.038	106	365157	110.849	ug/l	99
70) Styrene	12.050	104	614143	113.510	ug/l	99
71) Bromoform	12.215	173	110986	112.162	ug/l #	98
73) Isopropylbenzene	12.337	105	931101	104.205	ug/l	100
74) N-amyl acetate	12.148	43	177661	114.192	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	168020	105.213	ug/l	100
76) 1,2,3-Trichloropropane	12.642	75	118726m	105.568	ug/l	
77) Bromobenzene	12.617	156	216920	103.513	ug/l	98
78) n-propylbenzene	12.678	91	1118807	103.519	ug/l	100
79) 2-Chlorotoluene	12.764	91	608165	102.195	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	755042	105.645	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.386	75	55993	116.398	ug/l	96
82) 4-Chlorotoluene	12.861	91	637135	103.751	ug/l	99
83) tert-Butylbenzene	13.081	119	662773	106.199	ug/l	99
84) 1,2,4-Trimethylbenzene	13.130	105	763639	107.853	ug/l	100
85) sec-Butylbenzene	13.258	105	1002949	104.631	ug/l	100
86) p-Isopropyltoluene	13.373	119	851021	107.792	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	443897	104.890	ug/l	100
88) 1,4-Dichlorobenzene	13.453	146	414880	101.530	ug/l	99
89) n-Butylbenzene	13.703	91	761952	106.115	ug/l	99
90) Hexachloroethane	13.965	117	156927	101.439	ug/l	100
91) 1,2-Dichlorobenzene	13.745	146	369216	103.648	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	21751	107.757	ug/l	99
93) 1,2,4-Trichlorobenzene	15.013	180	205686	110.431	ug/l	99
94) Hexachlorobutadiene	15.117	225	111989	98.859	ug/l	98
95) Naphthalene	15.245	128	385500	107.086	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	175823	112.284	ug/l	100

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

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