

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060324\
 Data File : VY018429.D
 Acq On : 03 Jun 2024 10:14
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 06/04/2024
 Supervised By :Mahesh Dadoda 06/04/2024

Quant Time: Jun 04 05:26:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060324S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 05:22:03 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	62479	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	95845	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	83834	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	56281	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	6600	5.379	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.760%#		
35) Dibromofluoromethane	7.710	113	6462	5.317	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.640%#		
50) Toluene-d8	10.173	98	26211	5.421	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	10.840%#		
62) 4-Bromofluorobenzene	12.477	95	8255	5.483	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	10.960%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	4998	5.037	ug/l	82
3) Chloromethane	2.107	50	9590	5.182	ug/l #	85
4) Vinyl Chloride	2.241	62	11486	5.189	ug/l	91
5) Bromomethane	2.637	94	7915	5.360	ug/l	88
6) Chloroethane	2.784	64	6814	4.876	ug/l	93
7) Trichlorofluoromethane	3.107	101	11228	4.903	ug/l	96
8) Diethyl Ether	3.521	74	3344	4.853	ug/l	78
9) 1,1,2-Trichlorotrifluo...	3.893	101	7012	5.258	ug/l	95
10) Methyl Iodide	4.076	142	5750	4.390	ug/l #	87
11) Tert butyl alcohol	4.918	59	10954	19.361	ug/l #	96
12) 1,1-Dichloroethene	3.851	96	6644	5.069	ug/l #	88
13) Acrolein	3.710	56	2449	19.500	ug/l	96
14) Allyl chloride	4.460	41	9402	4.898	ug/l	93
15) Acrylonitrile	5.137	53	7647	24.266	ug/l	97
16) Acetone	3.936	43	7069	25.957	ug/l	90
17) Carbon Disulfide	4.186	76	19047	4.954	ug/l	98
18) Methyl Acetate	4.472	43	3488	5.122	ug/l	97
19) Methyl tert-butyl Ether	5.204	73	15019	4.754	ug/l #	88
20) Methylene Chloride	4.710	84	11152	4.467	ug/l	90
21) trans-1,2-Dichloroethene	5.210	96	6472	4.627	ug/l	90
22) Diisopropyl ether	6.106	45	19703	5.040	ug/l	94
23) Vinyl Acetate	6.051	43	57178	22.474	ug/l	95
24) 1,1-Dichloroethane	5.997	63	11783	4.832	ug/l #	93
25) 2-Butanone	6.972	43	9962	23.878	ug/l #	75
26) 2,2-Dichloropropane	6.966	77	11939	5.571	ug/l	95
27) cis-1,2-Dichloroethene	6.966	96	7752	4.764	ug/l	90
28) Bromochloromethane	7.319	49	6785	6.047	ug/l #	75
29) Tetrahydrofuran	7.338	42	6667	24.607	ug/l	87
30) Chloroform	7.496	83	11596	4.742	ug/l	93
31) Cyclohexane	7.777	56	12326	5.388	ug/l #	85
32) 1,1,1-Trichloroethane	7.685	97	10261	4.790	ug/l	94
36) 1,1-Dichloropropene	7.905	75	9286	5.011	ug/l	97
37) Ethyl Acetate	7.076	43	4767	5.149	ug/l #	88
38) Carbon Tetrachloride	7.893	117	8891	4.788	ug/l	92
39) Methylcyclohexane	9.173	83	12777	5.100	ug/l	94
40) Benzene	8.155	78	27119	4.884	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	2067m	4.159	ug/l	
42) 1,2-Dichloroethane	8.228	62	6722	4.979	ug/l	94
43) Isopropyl Acetate	8.271	43	8636	4.989	ug/l #	82
44) Trichloroethene	8.935	130	6842	4.972	ug/l	99
45) 1,2-Dichloropropane	9.216	63	6482	5.105	ug/l	92
46) Dibromomethane	9.301	93	3633	4.990	ug/l	93
47) Bromodichloromethane	9.490	83	8010	4.583	ug/l	97
48) Methyl methacrylate	9.289	41	3896	4.892	ug/l	85
49) 1,4-Dioxane	9.289	88	985	103.025	ug/l #	85
51) 4-Methyl-2-Pentanone	10.063	43	20973	23.333	ug/l	93
52) Toluene	10.240	92	16232	4.753	ug/l	100
53) t-1,3-Dichloropropene	10.459	75	7548	4.703	ug/l	94
54) cis-1,3-Dichloropropene	9.923	75	9305	4.709	ug/l	93
55) 1,1,2-Trichloroethane	10.636	97	4517	4.769	ug/l #	89
56) Ethyl methacrylate	10.502	69	5780	4.336	ug/l #	79
57) 1,3-Dichloropropane	10.788	76	7525	4.680	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.776	63	18216	25.449	ug/l	98
59) 2-Hexanone	10.831	43	13891	22.363	ug/l	93
60) Dibromochloromethane	10.977	129	5524	4.774	ug/l	97
61) 1,2-Dibromoethane	11.087	107	4298	4.819	ug/l	98
64) Tetrachloroethene	10.715	164	6141	4.973	ug/l #	83
65) Chlorobenzene	11.508	112	17393	4.838	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	5302	4.561	ug/l	93
67) Ethyl Benzene	11.587	91	31124	4.756	ug/l	95
68) m/p-Xylenes	11.703	106	22274	9.040	ug/l	88
69) o-Xylene	12.026	106	11813	4.980	ug/l	94
70) Styrene	12.044	104	18000	4.645	ug/l	99
71) Bromoform	12.203	173	2484	4.056	ug/l #	98
73) Isopropylbenzene	12.325	105	28458	4.900	ug/l	97
74) N-amyl acetate	12.142	43	6590	4.662	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.575	83	5264	5.149	ug/l	97
76) 1,2,3-Trichloropropane	12.630	75	4389m	6.322	ug/l	
77) Bromobenzene	12.605	156	5824	4.723	ug/l	88
78) n-propylbenzene	12.666	91	34523	4.953	ug/l	98
79) 2-Chlorotoluene	12.751	91	19429	5.127	ug/l	95
80) 1,3,5-Trimethylbenzene	12.806	105	21716	4.801	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	1545	4.651	ug/l	84
82) 4-Chlorotoluene	12.855	91	19265	5.052	ug/l	99
83) tert-Butylbenzene	13.068	119	19519	4.666	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	20843	4.707	ug/l	98
85) sec-Butylbenzene	13.251	105	30530	4.956	ug/l	99
86) p-Isopropyltoluene	13.367	119	22853	4.597	ug/l	95
87) 1,3-Dichlorobenzene	13.367	146	11462	4.712	ug/l	97
88) 1,4-Dichlorobenzene	13.440	146	11558	4.837	ug/l	94
89) n-Butylbenzene	13.690	91	23008	4.870	ug/l	98
90) Hexachloroethane	13.952	117	4614	4.951	ug/l	72
91) 1,2-Dichlorobenzene	13.739	146	10275	4.854	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	983	6.318	ug/l	53
93) 1,2,4-Trichlorobenzene	15.007	180	5046	4.408	ug/l	91
94) Hexachlorobutadiene	15.111	225	2824	4.645	ug/l	97
95) Naphthalene	15.227	128	9797	4.261	ug/l	99
96) 1,2,3-Trichlorobenzene	15.416	180	4242	4.380	ug/l	92

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

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