

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050724\
 Data File : VY018165.D
 Acq On : 07 May 2024 10:16
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/08/2024
 Supervised By :Semsettin Yesilyurt 05/08/2024

Quant Time: May 08 01:15:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 08 00:59:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	256962	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	423639	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	364791	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	166101	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	38721	20.483	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	40.960%#		
35) Dibromofluoromethane	7.716	113	45470	20.423	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.840%#		
50) Toluene-d8	10.179	98	181417	20.678	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	41.360%#		
62) 4-Bromofluorobenzene	12.477	95	58931	20.799	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	41.600%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	37672	18.486	ug/l	99
3) Chloromethane	2.107	50	46990	17.226	ug/l	97
4) Vinyl Chloride	2.247	62	57015	17.242	ug/l	98
5) Bromomethane	2.637	94	39907	17.377	ug/l	95
6) Chloroethane	2.784	64	37195	17.723	ug/l	96
7) Trichlorofluoromethane	3.119	101	69649	17.982	ug/l	91
8) Diethyl Ether	3.521	74	23487	18.420	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.899	101	44712	18.113	ug/l	99
10) Methyl Iodide	4.082	142	51159	17.747	ug/l	100
11) Tert butyl alcohol	4.942	59	20325	115.983	ug/l #	81
12) 1,1-Dichloroethene	3.863	96	43302	17.425	ug/l	94
13) Acrolein	3.717	56	23067	122.554	ug/l	97
14) Allyl chloride	4.466	41	56741	17.948	ug/l	96
15) Acrylonitrile	5.155	53	49584	101.120	ug/l	98
16) Acetone	3.942	43	33027	87.548	ug/l	97
17) Carbon Disulfide	4.186	76	110404	16.319	ug/l	98
18) Methyl Acetate	4.466	43	22742	21.163	ug/l	100
19) Methyl tert-butyl Ether	5.216	73	106097	19.166	ug/l	99
20) Methylene Chloride	4.704	84	49194	18.449	ug/l	95
21) trans-1,2-Dichloroethene	5.210	96	46834	17.779	ug/l	97
22) Diisopropyl ether	6.112	45	125385	18.697	ug/l	95
23) Vinyl Acetate	6.052	43	381322	93.552	ug/l	100
24) 1,1-Dichloroethane	6.009	63	75052	18.170	ug/l	98
25) 2-Butanone	6.978	43	57736	95.744	ug/l	96
26) 2,2-Dichloropropane	6.972	77	67685	18.105	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	57892	18.597	ug/l	95
28) Bromochloromethane	7.326	49	31609	19.146	ug/l	96
29) Tetrahydrofuran	7.350	42	39297	98.723	ug/l	96
30) Chloroform	7.502	83	79891	18.527	ug/l	97
31) Cyclohexane	7.783	56	67245	16.856	ug/l #	92
32) 1,1,1-Trichloroethane	7.698	97	69765	18.051	ug/l	99
36) 1,1-Dichloropropene	7.911	75	56710	17.768	ug/l	97
37) Ethyl Acetate	7.070	43	26605	19.805	ug/l #	97
38) Carbon Tetrachloride	7.893	117	61562	17.652	ug/l	94
39) Methylcyclohexane	9.179	83	80193	17.416	ug/l	98
40) Benzene	8.155	78	188987	18.408	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	15579	20.083	ug/l	94
42) 1,2-Dichloroethane	8.234	62	42144	18.867	ug/l	97
43) Isopropyl Acetate	8.271	43	52994	19.246	ug/l	97
44) Trichloroethene	8.935	130	50882	18.206	ug/l	96
45) 1,2-Dichloropropane	9.216	63	42635	18.995	ug/l	96
46) Dibromomethane	9.301	93	24933	19.323	ug/l	98
47) Bromodichloromethane	9.496	83	59429	18.630	ug/l	97
48) Methyl methacrylate	9.289	41	24462	19.384	ug/l	95
49) 1,4-Dioxane	9.295	88	6724	392.581	ug/l #	95
51) 4-Methyl-2-Pentanone	10.069	43	136834	98.872	ug/l	96
52) Toluene	10.240	92	121332	18.358	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	57278	19.223	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	68420	18.785	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	34276	19.337	ug/l	95
56) Ethyl methacrylate	10.508	69	47937	19.913	ug/l #	92
57) 1,3-Dichloropropane	10.788	76	56227	19.490	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	110743	96.337	ug/l	94
59) 2-Hexanone	10.831	43	94650	97.812	ug/l	95
60) Dibromochloromethane	10.984	129	44694	19.434	ug/l	99
61) 1,2-Dibromoethane	11.087	107	32793	19.642	ug/l	95
64) Tetrachloroethene	10.715	164	43275	17.817	ug/l	96
65) Chlorobenzene	11.514	112	135204	18.198	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	44940	18.700	ug/l	99
67) Ethyl Benzene	11.593	91	230752	18.395	ug/l	95
68) m/p-Xylenes	11.703	106	179692	36.223	ug/l	96
69) o-Xylene	12.026	106	87902	18.464	ug/l	93
70) Styrene	12.044	104	145778	18.336	ug/l	97
71) Bromoform	12.209	173	25480	19.162	ug/l #	97
73) Isopropylbenzene	12.331	105	220611	17.715	ug/l	97
74) N-amyl acetate	12.142	43	49264	19.056	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	37579	18.916	ug/l	99
76) 1,2,3-Trichloropropane	12.624	75	24694m	18.573	ug/l	
77) Bromobenzene	12.611	156	51661	18.057	ug/l	94
78) n-propylbenzene	12.672	91	256606	17.715	ug/l	97
79) 2-Chlorotoluene	12.758	91	144306	17.928	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	176479	17.971	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	13054	18.917	ug/l	97
82) 4-Chlorotoluene	12.855	91	146814	18.158	ug/l	96
83) tert-Butylbenzene	13.075	119	160160	17.682	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	174835	18.175	ug/l	98
85) sec-Butylbenzene	13.251	105	238466	17.948	ug/l	98
86) p-Isopropyltoluene	13.367	119	197321	18.053	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	100711	18.228	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	99300	18.436	ug/l	99
89) n-Butylbenzene	13.696	91	177670	17.961	ug/l	98
90) Hexachloroethane	13.959	117	38853	18.119	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	87443	18.413	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5159	19.072	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	49029	18.365	ug/l	99
94) Hexachlorobutadiene	15.111	225	26858	18.233	ug/l	99
95) Naphthalene	15.233	128	93814	19.177	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	41452	18.919	ug/l	99

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

