Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051324\
Data File : VY018243.D
Acq On : 13 May 2024 15:48
Operator : SY/MD
Sample : P2403-02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/14/2024
Supervised By :Semsettin Yesilyurt 05/14/2024

Quant Time: May 14 03:03:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
Quant Title : SW846 8260
QLast Update : Tue May 14 03:01:34 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.783	168	184148	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	323236	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	275236	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	121171	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	80571	59.474	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.940%			
35) Dibromofluoromethane	7.710	113	91144	53.653	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.300%			
50) Toluene-d8	10.179	98	359956	53.772	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.540%			
62) 4-Bromofluorobenzene	12.477	95	111890	51.757	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.520%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	4971	3.404	ug/l	96
3) Chloromethane	2.107	50	7741	3.960	ug/l	97
4) Vinyl Chloride	2.241	62	8720	3.680	ug/l	98
5) Bromomethane	2.644	94	6798	4.131	ug/l	100
6) Chloroethane	2.784	64	5745	3.820	ug/l	92
7) Trichlorofluoromethane	3.119	101	8655	3.118	ug/l	96
8) Diethyl Ether	3.528	74	3433	3.757	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.887	101	5362	3.031	ug/l	95
10) Methyl Iodide	4.082	142	6091	2.949	ug/l	97
11) Tert butyl alcohol	4.930	59	6092m	44.989	ug/l	
12) 1,1-Dichloroethene	3.857	96	5820	3.268	ug/l #	74
13) Acrolein	3.710	56	3837	26.276	ug/l	93
14) Allyl chloride	4.460	41	7536	3.326	ug/l	96
15) Acrylonitrile	5.149	53	6674	18.992	ug/l	96
16) Acetone	3.936	43	5765	21.324	ug/l	96
17) Carbon Disulfide	4.186	76	17498	3.609	ug/l	96
18) Methyl Acetate	4.466	43	4009	5.206	ug/l	100
19) Methyl tert-butyl Ether	5.204	73	13094	3.301	ug/l #	88
20) Methylene Chloride	4.704	84	28809	15.076	ug/l	98
21) trans-1,2-Dichloroethene	5.216	96	6567	3.479	ug/l #	66
22) Diisopropyl ether	6.112	45	16433	3.419	ug/l #	95
23) Vinyl Acetate	6.051	43	48223	16.509	ug/l	95
24) 1,1-Dichloroethane	6.003	63	9809	3.314	ug/l	94
25) 2-Butanone	6.978	43	8909	20.616	ug/l	100
26) 2,2-Dichloropropane	6.972	77	9742	3.636	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	7295	3.270	ug/l	99
28) Bromochloromethane	7.326	49	4452	3.763	ug/l #	89
29) Tetrahydrofuran	7.344	42	5594	19.610	ug/l	92
30) Chloroform	7.496	83	9879	3.197	ug/l	90
31) Cyclohexane	7.777	56	12401	4.413	ug/l #	72
32) 1,1,1-Trichloroethane	7.698	97	9400	3.394	ug/l	99
36) 1,1-Dichloropropene	7.911	75	7311	3.002	ug/l	91
37) Ethyl Acetate	7.070	43	3659	3.570	ug/l	98
38) Carbon Tetrachloride	7.893	117	7940	2.984	ug/l	90
39) Methylcyclohexane	9.173	83	10657	3.033	ug/l	91
40) Benzene	8.161	78	24264	3.098	ug/l	93

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Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.313	41	2072m	3.501 ug/l		
42) 1,2-Dichloroethane	8.228	62	5661	3.321 ug/l		96
43) Isopropyl Acetate	8.271	43	6799	3.236 ug/l	#	87
44) Trichloroethene	8.935	130	5903	2.768 ug/l		77
45) 1,2-Dichloropropane	9.216	63	5333	3.114 ug/l		94
46) Dibromomethane	9.301	93	3313	3.365 ug/l		96
47) Bromodichloromethane	9.496	83	7378	3.031 ug/l		87
48) Methyl methacrylate	9.295	41	3039	3.156 ug/l	#	92
49) 1,4-Dioxane	9.295	88	724	55.401 ug/l	#	79
51) 4-Methyl-2-Pentanone	10.069	43	17773	16.831 ug/l		98
52) Toluene	10.246	92	15607	3.095 ug/l		94
53) t-1,3-Dichloropropene	10.465	75	6792	2.988 ug/l		98
54) cis-1,3-Dichloropropene	9.923	75	8242	2.966 ug/l		93
55) 1,1,2-Trichloroethane	10.642	97	4479	3.312 ug/l		94
56) Ethyl methacrylate	10.508	69	5984	3.258 ug/l	#	92
57) 1,3-Dichloropropane	10.795	76	6974	3.168 ug/l		97
58) 2-Chloroethyl Vinyl ether	9.783	63	13200	15.050 ug/l		91
59) 2-Hexanone	10.831	43	11438	15.492 ug/l		92
60) Dibromochloromethane	10.977	129	5066	2.887 ug/l		94
61) 1,2-Dibromoethane	11.087	107	4140	3.250 ug/l		94
64) Tetrachloroethene	10.715	164	5591	3.051 ug/l		96
65) Chlorobenzene	11.514	112	17158	3.061 ug/l		94
66) 1,1,1,2-Tetrachloroethane	11.587	131	5256	2.899 ug/l		99
67) Ethyl Benzene	11.593	91	28410	3.002 ug/l		97
68) m/p-Xylenes	11.703	106	21797	5.824 ug/l		100
69) o-Xylene	12.032	106	10651	2.965 ug/l		99
70) Styrene	12.044	104	16738	2.790 ug/l		98
71) Bromoform	12.203	173	2981	2.971 ug/l	#	86
73) Isopropylbenzene	12.325	105	26109	2.874 ug/l		93
74) N-amyl acetate	12.148	43	5757	3.053 ug/l		93
75) 1,1,2,2-Tetrachloroethane	12.581	83	4480	3.091 ug/l		99
76) 1,2,3-Trichloropropane	12.636	75	2828m	2.916 ug/l		
77) Bromobenzene	12.605	156	6500	3.114 ug/l		94
78) n-propylbenzene	12.666	91	31717	3.001 ug/l		97
79) 2-Chlorotoluene	12.758	91	17992	3.064 ug/l		96
80) 1,3,5-Trimethylbenzene	12.812	105	20949	2.924 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.374	75	1551m	3.081 ug/l		
82) 4-Chlorotoluene	12.849	91	18442	3.127 ug/l		99
83) tert-Butylbenzene	13.075	119	19990	3.025 ug/l		96
84) 1,2,4-Trimethylbenzene	13.123	105	20405	2.908 ug/l		96
85) sec-Butylbenzene	13.251	105	28164	2.906 ug/l		98
86) p-Isopropyltoluene	13.367	119	22891	2.871 ug/l		97
87) 1,3-Dichlorobenzene	13.367	146	12698	3.150 ug/l		95
88) 1,4-Dichlorobenzene	13.440	146	12561	3.197 ug/l		91
89) n-Butylbenzene	13.696	91	21419	2.968 ug/l		97
90) Hexachloroethane	13.959	117	4904	3.135 ug/l		88
91) 1,2-Dichlorobenzene	13.739	146	10284	2.969 ug/l		93
92) 1,2-Dibromo-3-Chloropr...	14.361	75	731	3.704 ug/l		76
93) 1,2,4-Trichlorobenzene	15.007	180	5030	2.583 ug/l		94
94) Hexachlorobutadiene	15.111	225	3101	2.886 ug/l		99
95) Naphthalene	15.239	128	9670	2.710 ug/l		96
96) 1,2,3-Trichlorobenzene	15.422	180	4766	2.982 ug/l		97

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

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

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