Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030123\
Data File : VY012743.D
Acq On : 01 Mar 2023 11:55
Operator : KP/MD
Sample : VY0301SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0301SBS01

Manual Integrations APPROVED
Reviewed By :Krupa Patel 03/02/2023
Supervised By :Mahesh Dadoda 03/02/2023

Quant Time: Mar 02 02:02:44 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022123S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 22 01:21:05 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.789	168	108830	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	166314	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	150272	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	78538	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	58259	45.326	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 90.660%			
35) Dibromofluoromethane	7.716	113	55298	49.226	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.460%			
50) Toluene-d8	10.179	98	205310	48.785	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.560%			
62) 4-Bromofluorobenzene	12.483	95	69139	51.338	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.680%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	20563	18.378	ug/l	99
3) Chloromethane	2.113	50	25890	16.967	ug/l	97
4) Vinyl Chloride	2.253	62	23293	18.841	ug/l	99
5) Bromomethane	2.637	94	14425	21.305	ug/l	97
6) Chloroethane	2.790	64	14752	18.745	ug/l	99
7) Trichlorofluoromethane	3.125	101	40629	20.388	ug/l	100
8) Diethyl Ether	3.534	74	14465	20.274	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.899	101	24924	20.929	ug/l	100
10) Methyl Iodide	4.088	142	31955	20.492	ug/l	96
11) Tert butyl alcohol	4.948	59	18039	128.300	ug/l	95
12) 1,1-Dichloroethene	3.875	96	22998	20.004	ug/l	98
13) Acrolein	3.729	56	18655	105.012	ug/l	99
14) Allyl chloride	4.479	41	41935	18.794	ug/l	98
15) Acrylonitrile	5.161	53	39547	104.187	ug/l	99
16) Acetone	3.942	43	43356	103.374	ug/l	100
17) Carbon Disulfide	4.192	76	72525	18.746	ug/l	99
18) Methyl Acetate	4.472	43	27307	20.211	ug/l	96
19) Methyl tert-butyl Ether	5.216	73	62272	20.136	ug/l	99
20) Methylene Chloride	4.716	84	31797	20.789	ug/l	89
21) trans-1,2-Dichloroethene	5.228	96	25092	20.064	ug/l	89
22) Diisopropyl ether	6.118	45	82070	19.711	ug/l	96
23) Vinyl Acetate	6.057	43	251396	97.487	ug/l	98
24) 1,1-Dichloroethane	6.015	63	45521	19.716	ug/l	98
25) 2-Butanone	6.984	43	56813	102.061	ug/l	93
26) 2,2-Dichloropropane	6.978	77	40578	20.148	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	28298	20.681	ug/l	96
28) Bromochloromethane	7.332	49	18052	19.526	ug/l	85
29) Tetrahydrofuran	7.350	42	34722	102.169	ug/l	96
30) Chloroform	7.502	83	46703	20.876	ug/l	100
31) Cyclohexane	7.783	56	40977	18.350	ug/l	90
32) 1,1,1-Trichloroethane	7.704	97	40908	20.200	ug/l	99
36) 1,1-Dichloropropene	7.917	75	35874	20.147	ug/l	99
37) Ethyl Acetate	7.076	43	23753	19.770	ug/l #	97
38) Carbon Tetrachloride	7.899	117	37497	20.366	ug/l	93
39) Methylcyclohexane	9.185	83	40759	19.844	ug/l	99
40) Benzene	8.161	78	104977	21.121	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.307	41	10190m	17.414	ug/l		
42) 1,2-Dichloroethane	8.234	62	31226	20.261	ug/l		99
43) Isopropyl Acetate	8.271	43	41353	19.918	ug/l		96
44) Trichloroethene	8.941	130	27805	21.637	ug/l		98
45) 1,2-Dichloropropane	9.215	63	25960	20.305	ug/l		99
46) Dibromomethane	9.307	93	15671	22.205	ug/l		99
47) Bromodichloromethane	9.496	83	35315	20.786	ug/l		100
48) Methyl methacrylate	9.295	41	18387	18.978	ug/l		94
49) 1,4-Dioxane	9.301	88	3997	399.731	ug/l	#	84
51) 4-Methyl-2-Pentanone	10.069	43	116754	104.248	ug/l		97
52) Toluene	10.246	92	63391	21.526	ug/l		98
53) t-1,3-Dichloropropene	10.465	75	37307	21.013	ug/l		99
54) cis-1,3-Dichloropropene	9.929	75	41283	20.549	ug/l		96
55) 1,1,2-Trichloroethane	10.642	97	21850	22.794	ug/l		92
56) Ethyl methacrylate	10.508	69	27957	21.356	ug/l		93
57) 1,3-Dichloropropane	10.788	76	35814	21.257	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.782	63	72262	101.511	ug/l		97
59) 2-Hexanone	10.831	43	85215	107.329	ug/l		97
60) Dibromochloromethane	10.983	129	26151	22.518	ug/l		99
61) 1,2-Dibromoethane	11.087	107	20667	22.504	ug/l		97
64) Tetrachloroethene	10.721	164	23724	21.707	ug/l		98
65) Chlorobenzene	11.514	112	68288	21.191	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.587	131	25768	21.577	ug/l		98
67) Ethyl Benzene	11.593	91	120382	20.899	ug/l		100
68) m/p-Xylenes	11.703	106	93971	42.767	ug/l		98
69) o-Xylene	12.032	106	43612	21.429	ug/l		98
70) Styrene	12.044	104	73705	21.607	ug/l		98
71) Bromoform	12.209	173	17497	22.961	ug/l	#	99
73) Isopropylbenzene	12.331	105	116284	20.036	ug/l		99
74) N-amyl acetate	12.142	43	36062	18.901	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.581	83	27010	20.698	ug/l		98
76) 1,2,3-Trichloropropane	12.636	75	17358m	17.728	ug/l		
77) Bromobenzene	12.611	156	29008	20.859	ug/l		96
78) n-propylbenzene	12.672	91	145351	20.022	ug/l		99
79) 2-Chlorotoluene	12.758	91	81029	20.091	ug/l		98
80) 1,3,5-Trimethylbenzene	12.812	105	96303	19.864	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.380	75	9515	20.588	ug/l		91
82) 4-Chlorotoluene	12.855	91	84819	20.277	ug/l		100
83) tert-Butylbenzene	13.075	119	83086	20.070	ug/l		99
84) 1,2,4-Trimethylbenzene	13.123	105	97044	20.476	ug/l		100
85) sec-Butylbenzene	13.251	105	127439	20.232	ug/l		100
86) p-Isopropyltoluene	13.373	119	106158	20.464	ug/l		99
87) 1,3-Dichlorobenzene	13.367	146	56984	20.921	ug/l		99
88) 1,4-Dichlorobenzene	13.446	146	57325	20.754	ug/l		100
89) n-Butylbenzene	13.696	91	99675	20.064	ug/l		99
90) Hexachloroethane	13.959	117	21954	20.854	ug/l		99
91) 1,2-Dichlorobenzene	13.739	146	50992	20.962	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4459	20.787	ug/l		97
93) 1,2,4-Trichlorobenzene	15.007	180	30271	19.675	ug/l		99
94) Hexachlorobutadiene	15.111	225	18758	20.202	ug/l		98
95) Naphthalene	15.239	128	60199	19.364	ug/l		100
96) 1,2,3-Trichlorobenzene	15.428	180	28192	20.702	ug/l		96

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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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