Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122223\
Data File : VY016803.D
Acq On : 22 Dec 2023 12:28
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 22 23:17:46 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 21 01:49:45 2023
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/26/2023
Supervised By :Semsettin Yesilyurt 12/26/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.813	168	139057	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.709	114	237237	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	204072	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.446	152	89656	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	75565	59.526	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 119.060%			
35) Dibromofluoromethane	7.740	113	80050	58.906	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 117.820%			
50) Toluene-d8	10.197	98	294329	60.081	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 120.160%			
62) 4-Bromofluorobenzene	12.501	95	94754	59.618	ug/l	0.01
Spiked Amount 50.000	Range 30 - 143		Recovery = 119.240%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.918	85	52910	44.523	ug/l	99
3) Chloromethane	2.125	50	97251	53.240	ug/l	98
4) Vinyl Chloride	2.265	62	105263	51.017	ug/l	99
5) Bromomethane	2.674	94	77811	52.949	ug/l	100
6) Chloroethane	2.814	64	71532	51.164	ug/l	100
7) Trichlorofluoromethane	3.149	101	118376	49.250	ug/l	98
8) Diethyl Ether	3.552	74	39922	51.922	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.930	101	73812	50.062	ug/l	99
10) Methyl Iodide	4.125	142	72410	47.129	ug/l	99
11) Tert butyl alcohol	5.003	59	21501	206.576	ug/l	98
12) 1,1-Dichloroethene	3.899	96	67204	51.192	ug/l	95
13) Acrolein	3.759	56	18273	227.541	ug/l	100
14) Allyl chloride	4.509	41	109949	54.681	ug/l	99
15) Acrylonitrile	5.198	53	88921	273.088	ug/l	99
16) Acetone	3.979	43	79893	232.740	ug/l	97
17) Carbon Disulfide	4.222	76	188633	52.809	ug/l	99
18) Methyl Acetate	4.509	43	80180	59.769	ug/l	98
19) Methyl tert-butyl Ether	5.253	73	175301	51.898	ug/l	98
20) Methylene Chloride	4.747	84	82258	47.380	ug/l	98
21) trans-1,2-Dichloroethene	5.253	96	80497	53.765	ug/l	94
22) Diisopropyl ether	6.149	45	258903	56.914	ug/l	95
23) Vinyl Acetate	6.088	43	577106	268.235	ug/l	100
24) 1,1-Dichloroethane	6.051	63	148923	54.498	ug/l	98
25) 2-Butanone	7.015	43	114994	243.311	ug/l	98
26) 2,2-Dichloropropane	7.008	77	124679	52.284	ug/l	99
27) cis-1,2-Dichloroethene	7.015	96	93268	54.127	ug/l	99
28) Bromochloromethane	7.356	49	64617	59.744	ug/l	99
29) Tetrahydrofuran	7.374	42	71605	277.078	ug/l	97
30) Chloroform	7.533	83	151115	54.019	ug/l	99
31) Cyclohexane	7.807	56	121463	49.940	ug/l	98
32) 1,1,1-Trichloroethane	7.728	97	127882	52.079	ug/l	99
36) 1,1-Dichloropropene	7.941	75	112549	51.661	ug/l	100
37) Ethyl Acetate	7.100	43	49189	52.676	ug/l	100
38) Carbon Tetrachloride	7.923	117	109608	50.843	ug/l	99
39) Methylcyclohexane	9.203	83	133011	52.879	ug/l	99
40) Benzene	8.185	78	339594	53.565	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.338	41	29787	60.079	ug/l		99
42) 1,2-Dichloroethane	8.258	62	88709	53.632	ug/l		99
43) Isopropyl Acetate	8.295	43	96146	53.012	ug/l		99
44) Trichloroethene	8.959	130	83832	51.808	ug/l		96
45) 1,2-Dichloropropane	9.234	63	86434	54.350	ug/l		95
46) Dibromomethane	9.325	93	43429	52.861	ug/l		98
47) Bromodichloromethane	9.514	83	115238	53.218	ug/l		98
48) Methyl methacrylate	9.313	41	55967	55.524	ug/l		99
49) 1,4-Dioxane	9.325	88	8253	1034.982	ug/l		97
51) 4-Methyl-2-Pentanone	10.087	43	265662	274.917	ug/l		99
52) Toluene	10.264	92	206227	54.281	ug/l		99
53) t-1,3-Dichloropropene	10.483	75	106719	54.049	ug/l		100
54) cis-1,3-Dichloropropene	9.947	75	128242	53.846	ug/l		95
55) 1,1,2-Trichloroethane	10.666	97	61921	52.826	ug/l		98
56) Ethyl methacrylate	10.526	69	55809	54.145	ug/l		97
57) 1,3-Dichloropropane	10.807	76	106182	53.331	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.801	63	158949	286.658	ug/l		98
59) 2-Hexanone	10.849	43	184777	256.437	ug/l		99
60) Dibromochloromethane	11.002	129	72484	53.455	ug/l		99
61) 1,2-Dibromoethane	11.111	107	56305	53.562	ug/l		100
64) Tetrachloroethene	10.740	164	65032	51.300	ug/l		97
65) Chlorobenzene	11.538	112	211582	52.771	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.611	131	78359	51.943	ug/l		99
67) Ethyl Benzene	11.611	91	394862	53.506	ug/l		99
68) m/p-Xylenes	11.721	106	294975	108.242	ug/l		100
69) o-Xylene	12.050	106	135393	54.156	ug/l		99
70) Styrene	12.062	104	202244	54.669	ug/l		99
71) Bromoform	12.227	173	38609	51.336	ug/l	#	97
73) Isopropylbenzene	12.349	105	370602	53.076	ug/l		100
74) N-amyl acetate	12.160	43	75547	51.554	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.599	83	72307	51.821	ug/l		99
76) 1,2,3-Trichloropropane	12.654	75	50665m	51.120	ug/l		
77) Bromobenzene	12.629	156	78332	51.423	ug/l		99
78) n-propylbenzene	12.690	91	453141	53.563	ug/l		99
79) 2-Chlorotoluene	12.776	91	246488	52.654	ug/l		100
80) 1,3,5-Trimethylbenzene	12.831	105	296831	53.703	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.398	75	21037	49.848	ug/l		99
82) 4-Chlorotoluene	12.873	91	252286	52.532	ug/l		100
83) tert-Butylbenzene	13.093	119	253621	52.752	ug/l		98
84) 1,2,4-Trimethylbenzene	13.142	105	292631	53.691	ug/l		99
85) sec-Butylbenzene	13.276	105	381539	53.578	ug/l		100
86) p-Isopropyltoluene	13.385	119	320834	54.099	ug/l		99
87) 1,3-Dichlorobenzene	13.385	146	153500	51.563	ug/l		99
88) 1,4-Dichlorobenzene	13.465	146	149350	51.379	ug/l		99
89) n-Butylbenzene	13.715	91	309469	54.589	ug/l		100
90) Hexachloroethane	13.983	117	63965	51.798	ug/l		97
91) 1,2-Dichlorobenzene	13.757	146	131022	51.663	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.373	75	8723	48.227	ug/l		97
93) 1,2,4-Trichlorobenzene	15.025	180	69616	51.733	ug/l		98
94) Hexachlorobutadiene	15.135	225	39077	51.126	ug/l		99
95) Naphthalene	15.257	128	131536	45.736	ug/l		100
96) 1,2,3-Trichlorobenzene	15.446	180	58259	50.833	ug/l		98

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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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