Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122922\
Data File : VY012024.D
Acq On : 29 Dec 2022 13:40
Operator : KP/MD
Sample : VY1229SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1229SBSD01

Quant Time: Dec 30 03:57:41 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 20 12:37:37 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.795	168	185987	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	285621	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	258692	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	136923	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	94192	50.268	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.540%			
35) Dibromofluoromethane	7.722	113	85080	49.479	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.960%			
50) Toluene-d8	10.179	98	339803	48.707	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.420%			
62) 4-Bromofluorobenzene	12.483	95	120820	51.493	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.980%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	38928	27.415	ug/l	96
3) Chloromethane	2.113	50	36377	21.976	ug/l	98
4) Vinyl Chloride	2.253	62	40839	22.372	ug/l	99
5) Bromomethane	2.649	94	30443	23.441	ug/l	99
6) Chloroethane	2.790	64	26590	22.284	ug/l	99
7) Trichlorofluoromethane	3.125	101	75237	23.544	ug/l	100
8) Diethyl Ether	3.527	74	21082	21.381	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.899	101	38869	22.095	ug/l	96
10) Methyl Iodide	4.094	142	53154	21.839	ug/l	96
11) Tert butyl alcohol	4.948	59	17010	66.594	ug/l	99
12) 1,1-Dichloroethene	3.869	96	38703	21.995	ug/l	96
13) Acrolein	3.728	56	17318	98.870	ug/l	99
14) Allyl chloride	4.478	41	52494	20.258	ug/l	92
15) Acrylonitrile	5.167	53	47269	103.059	ug/l	97
16) Acetone	3.948	43	43391	80.925	ug/l	100
17) Carbon Disulfide	4.198	76	124948	22.260	ug/l	100
18) Methyl Acetate	4.478	43	24873	19.210	ug/l	93
19) Methyl tert-butyl Ether	5.222	73	102299	22.658	ug/l	94
20) Methylene Chloride	4.716	84	49617	19.316	ug/l	88
21) trans-1,2-Dichloroethene	5.222	96	44278	22.146	ug/l	93
22) Diisopropyl ether	6.118	45	107211	21.007	ug/l	97
23) Vinyl Acetate	6.063	43	311115	105.955	ug/l	94
24) 1,1-Dichloroethane	6.021	63	69630	20.989	ug/l	96
25) 2-Butanone	6.984	43	56892	91.148	ug/l	91
26) 2,2-Dichloropropane	6.984	77	71728	22.096	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	47847	22.126	ug/l	96
28) Bromochloromethane	7.331	49	16731	18.379	ug/l	88
29) Tetrahydrofuran	7.350	42	34528	97.636	ug/l	89
30) Chloroform	7.508	83	78990	22.091	ug/l	94
31) Cyclohexane	7.789	56	65116	20.643	ug/l	91
32) 1,1,1-Trichloroethane	7.703	97	76756	22.569	ug/l	99
36) 1,1-Dichloropropene	7.917	75	57729	20.930	ug/l	96
37) Ethyl Acetate	7.069	43	25420	20.542	ug/l #	96
38) Carbon Tetrachloride	7.898	117	72736	22.834	ug/l	97
39) Methylcyclohexane	9.185	83	70816	21.338	ug/l	95
40) Benzene	8.161	78	172008	21.792	ug/l	99

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Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.313	41	12292m	20.542 ug/l		
42) 1,2-Dichloroethane	8.240	62	51855	22.820 ug/l		99
43) Isopropyl Acetate	8.276	43	46613	20.625 ug/l		95
44) Trichloroethene	8.941	130	49666	22.324 ug/l		93
45) 1,2-Dichloropropane	9.215	63	37448	20.534 ug/l		98
46) Dibromomethane	9.307	93	23222	22.105 ug/l		96
47) Bromodichloromethane	9.496	83	58420	21.920 ug/l		95
48) Methyl methacrylate	9.295	41	21001	20.069 ug/l		92
49) 1,4-Dioxane	9.295	88	5784	461.155 ug/l		91
51) 4-Methyl-2-Pentanone	10.069	43	120938	100.356 ug/l		97
52) Toluene	10.246	92	113531	22.575 ug/l		100
53) t-1,3-Dichloropropene	10.465	75	59771	22.195 ug/l		97
54) cis-1,3-Dichloropropene	9.929	75	66283	21.897 ug/l		98
55) 1,1,2-Trichloroethane	10.648	97	32613	21.877 ug/l		97
56) Ethyl methacrylate	10.514	69	41105	21.778 ug/l		96
57) 1,3-Dichloropropane	10.788	76	55079	22.140 ug/l		100
58) 2-Chloroethyl Vinyl ether	9.782	63	73528	100.956 ug/l		93
59) 2-Hexanone	10.831	43	85572	96.521 ug/l		97
60) Dibromochloromethane	10.983	129	42358	22.555 ug/l		99
61) 1,2-Dibromoethane	11.087	107	30918	22.168 ug/l		100
64) Tetrachloroethene	10.721	164	52167	23.038 ug/l		98
65) Chlorobenzene	11.514	112	118420	22.047 ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.593	131	45563	22.799 ug/l		98
67) Ethyl Benzene	11.593	91	217528	22.404 ug/l		99
68) m/p-Xylenes	11.703	106	173523	45.954 ug/l		99
69) o-Xylene	12.032	106	81540	23.208 ug/l		98
70) Styrene	12.044	104	137490	23.307 ug/l		99
71) Bromoform	12.209	173	27150	22.927 ug/l	#	99
73) Isopropylbenzene	12.331	105	218817	21.536 ug/l		99
74) N-amyl acetate	12.142	43	41425	19.887 ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.581	83	33857	19.974 ug/l		99
76) 1,2,3-Trichloropropane	12.635	75	28269m	16.592 ug/l		
77) Bromobenzene	12.611	156	51858	22.061 ug/l		93
78) n-propylbenzene	12.672	91	259051	21.211 ug/l		99
79) 2-Chlorotoluene	12.757	91	148089	21.571 ug/l		99
80) 1,3,5-Trimethylbenzene	12.812	105	190872	21.942 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.379	75	12313	19.791 ug/l		97
82) 4-Chlorotoluene	12.855	91	152313	21.443 ug/l		98
83) tert-Butylbenzene	13.074	119	161221	21.868 ug/l		100
84) 1,2,4-Trimethylbenzene	13.117	105	188729	22.053 ug/l		99
85) sec-Butylbenzene	13.251	105	237148	21.541 ug/l		99
86) p-Isopropyltoluene	13.367	119	203908	21.951 ug/l		99
87) 1,3-Dichlorobenzene	13.367	146	103838	21.965 ug/l		99
88) 1,4-Dichlorobenzene	13.446	146	101684	21.636 ug/l		99
89) n-Butylbenzene	13.696	91	181249	21.554 ug/l		99
90) Hexachloroethane	13.958	117	37626	21.229 ug/l		99
91) 1,2-Dichlorobenzene	13.739	146	91902	22.299 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6267	21.514 ug/l		94
93) 1,2,4-Trichlorobenzene	15.007	180	57114	23.558 ug/l		99
94) Hexachlorobutadiene	15.111	225	36071	23.026 ug/l		98
95) Naphthalene	15.232	128	106291	22.685 ug/l		100
96) 1,2,3-Trichlorobenzene	15.421	180	49096	23.952 ug/l		100

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

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