Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072524\
Data File : VY018915.D
Acq On : 25 Jul 2024 14:19
Operator : SY/MD
Sample : VY0725SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0725SBSD01

Quant Time: Jul 26 02:59:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070924S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 09 14:28:51 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.801	168	101206	50.000	ug/l		0.02
34) 1,4-Difluorobenzene	8.716	114	149404	50.000	ug/l		0.04
63) Chlorobenzene-d5	11.557	117	132458	50.000	ug/l		0.07
72) 1,4-Dichlorobenzene-d4	13.532	152	67672	50.000	ug/l		0.11
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.161	65	46794	46.987	ug/l		0.03
Spiked Amount 50.000	Range 50 - 163			Recovery = 93.980%			
35) Dibromofluoromethane	7.728	113	49262	52.644	ug/l		0.02
Spiked Amount 50.000	Range 54 - 147			Recovery = 105.280%			
50) Toluene-d8	10.228	98	171211	48.294	ug/l		0.05
Spiked Amount 50.000	Range 58 - 134			Recovery = 96.580%			
62) 4-Bromofluorobenzene	12.569	95	61034	50.413	ug/l		0.09
Spiked Amount 50.000	Range 30 - 143			Recovery = 100.820%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.900	85	14183	16.725	ug/l		94
3) Chloromethane	2.107	50	19065	14.794	ug/l		97
4) Vinyl Chloride	2.241	62	23577	15.640	ug/l		97
5) Bromomethane	2.631	94	19050	18.371	ug/l		99
6) Chloroethane	2.784	64	16048	16.386	ug/l		94
7) Trichlorofluoromethane	3.107	101	36329	18.442	ug/l		94
8) Diethyl Ether	3.515	74	9452	19.686	ug/l		100
9) 1,1,2-Trichlorotrifluo...	3.875	101	19802	19.592	ug/l		99
10) Methyl Iodide	4.070	142	18332	16.843	ug/l		92
11) Tert butyl alcohol	4.936	59	11185	110.870	ug/l	#	92
12) 1,1-Dichloroethene	3.857	96	17267	17.659	ug/l		94
13) Acrolein	3.717	56	4582	56.689	ug/l		100
14) Allyl chloride	4.460	41	21164	17.472	ug/l		90
15) Acrylonitrile	5.143	53	20183	106.556	ug/l		95
16) Acetone	3.942	43	18419	100.319	ug/l	#	85
17) Carbon Disulfide	4.174	76	37754	13.789	ug/l		100
18) Methyl Acetate	4.460	43	11529	21.611	ug/l		96
19) Methyl tert-butyl Ether	5.204	73	46697	20.587	ug/l		96
20) Methylene Chloride	4.698	84	41951	39.281	ug/l		97
21) trans-1,2-Dichloroethene	5.198	96	18761	18.180	ug/l		88
22) Diisopropyl ether	6.113	45	50884	19.311	ug/l	#	91
23) Vinyl Acetate	6.045	43	199441	96.075	ug/l		95
24) 1,1-Dichloroethane	6.003	63	32691	19.432	ug/l		97
25) 2-Butanone	6.984	43	27651	107.440	ug/l		98
26) 2,2-Dichloropropane	6.972	77	29251	18.739	ug/l		99
27) cis-1,2-Dichloroethene	6.978	96	23044	19.180	ug/l		98
28) Bromochloromethane	7.338	49	13472	19.938	ug/l		94
29) Tetrahydrofuran	7.356	42	16738	106.086	ug/l		93
30) Chloroform	7.515	83	36822	19.639	ug/l		99
31) Cyclohexane	7.795	56	25014	16.349	ug/l	#	86
32) 1,1,1-Trichloroethane	7.710	97	34556	19.820	ug/l		98
36) 1,1-Dichloropropene	7.935	75	24152	18.703	ug/l		100
37) Ethyl Acetate	7.076	43	12385	23.073	ug/l		97
38) Carbon Tetrachloride	7.917	117	30379	19.532	ug/l		98
39) Methylcyclohexane	9.222	83	30186	18.240	ug/l		98
40) Benzene	8.173	78	76286	20.364	ug/l		93

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41) Methacrylonitrile	7.314	41	4799m	15.682	ug/l		
42) 1,2-Dichloroethane	8.258	62	22087	21.059	ug/l		96
43) Isopropyl Acetate	8.295	43	22042	20.637	ug/l	#	86
44) Trichloroethene	8.972	130	22002	20.547	ug/l		97
45) 1,2-Dichloropropane	9.252	63	17488	21.438	ug/l		100
46) Dibromomethane	9.344	93	11538	21.821	ug/l		99
47) Bromodichloromethane	9.533	83	28321	21.440	ug/l		99
48) Methyl methacrylate	9.331	41	10464	21.554	ug/l	#	84
49) 1,4-Dioxane	9.338	88	2748	443.346	ug/l	#	99
51) 4-Methyl-2-Pentanone	10.118	43	59311	108.765	ug/l		96
52) Toluene	10.295	92	48556	19.501	ug/l		100
53) t-1,3-Dichloropropene	10.520	75	24633	21.598	ug/l		89
54) cis-1,3-Dichloropropene	9.972	75	28105	21.005	ug/l	#	89
55) 1,1,2-Trichloroethane	10.703	97	14793	22.093	ug/l		94
56) Ethyl methacrylate	10.569	69	18765	21.286	ug/l	#	87
57) 1,3-Dichloropropane	10.849	76	24065	21.681	ug/l		97
58) 2-Chloroethyl Vinyl ether	9.825	63	41665	98.929	ug/l		91
59) 2-Hexanone	10.892	43	43032	112.797	ug/l		88
60) Dibromochloromethane	11.045	129	20784	22.591	ug/l		100
61) 1,2-Dibromoethane	11.148	107	13986	21.485	ug/l		99
64) Tetrachloroethene	10.776	164	21572	20.120	ug/l		91
65) Chlorobenzene	11.587	112	58232	20.840	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.660	131	19976	20.750	ug/l		98
67) Ethyl Benzene	11.660	91	95528	19.516	ug/l		95
68) m/p-Xylenes	11.776	106	74681m	38.879	ug/l		
69) o-Xylene	12.105	106	35525	19.672	ug/l		100
70) Styrene	12.124	104	59688	19.809	ug/l		97
71) Bromoform	12.288	173	11942	22.757	ug/l	#	95
73) Isopropylbenzene	12.416	105	95516	19.286	ug/l		98
74) N-amyl acetate	12.227	43	19955	19.702	ug/l		93
75) 1,1,2,2-Tetrachloroethane	12.672	83	15940	20.416	ug/l		96
76) 1,2,3-Trichloropropane	12.721	75	11080m	20.905	ug/l		
77) Bromobenzene	12.697	156	24071	20.359	ug/l		93
78) n-propylbenzene	12.764	91	111277	18.920	ug/l		97
79) 2-Chlorotoluene	12.849	91	62717	18.964	ug/l		98
80) 1,3,5-Trimethylbenzene	12.904	105	79373	19.587	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.459	75	4404m	18.596	ug/l		
82) 4-Chlorotoluene	12.849	91	62717	18.417	ug/l		97
83) tert-Butylbenzene	13.172	119	73175	19.559	ug/l		99
84) 1,2,4-Trimethylbenzene	13.221	105	79136	19.652	ug/l		100
85) sec-Butylbenzene	13.355	105	103457	19.482	ug/l		97
86) p-Isopropyltoluene	13.477	119	89203	19.458	ug/l		96
87) 1,3-Dichlorobenzene	13.471	146	46803	20.155	ug/l		99
88) 1,4-Dichlorobenzene	13.550	146	47035m	20.436	ug/l		
89) n-Butylbenzene	13.806	91	79848	19.212	ug/l		98
90) Hexachloroethane	14.081	117	16771	19.671	ug/l		93
91) 1,2-Dichlorobenzene	13.849	146	42275	21.075	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.483	75	2557	20.211	ug/l		91
93) 1,2,4-Trichlorobenzene	15.154	180	26128	21.337	ug/l		95
94) Hexachlorobutadiene	15.263	225	15457	21.900	ug/l		99
95) Naphthalene	15.391	128	44682	21.271	ug/l		99
96) 1,2,3-Trichlorobenzene	15.586	180	22867	21.825	ug/l		99

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

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