Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082522\
Data File : VY010202.D
Acq On : 25 Aug 2022 13:01
Operator : KP/MD
Sample : VY0825SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0825SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/26/2022
Supervised By :Semsettin Yesilyurt 08/27/2022

Quant Time: Aug 26 06:46:02 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082422S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 26 06:12:05 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.783	168	181202	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	285850	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	270665	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	142756	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	74363	48.784	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.560%			
35) Dibromofluoromethane	7.710	113	84162	44.906	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 89.820%			
50) Toluene-d8	10.179	98	132032	20.300	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery = 40.600%#			
62) 4-Bromofluorobenzene	12.477	95	110849	44.487	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery = 88.980%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	23540	16.787	ug/l	99
3) Chloromethane	2.107	50	27384	17.908	ug/l	94
4) Vinyl Chloride	2.241	62	30707	18.407	ug/l	97
5) Bromomethane	2.637	94	24735	18.410	ug/l	96
6) Chloroethane	2.778	64	22214	18.708	ug/l	98
7) Trichlorofluoromethane	3.113	101	31744	17.106	ug/l	91
8) Diethyl Ether	3.521	74	20797	18.914	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.887	101	37276	19.735	ug/l	93
10) Methyl Iodide	4.076	142	36765	17.729	ug/l #	88
11) Tert butyl alcohol	4.954	59	18441	86.122	ug/l	97
12) 1,1-Dichloroethene	3.863	96	31189	18.496	ug/l	85
13) Acrolein	3.717	56	8734	111.360	ug/l	99
14) Allyl chloride	4.466	41	56813	19.132	ug/l	89
15) Acrylonitrile	5.149	53	56119	94.572	ug/l	97
16) Acetone	3.942	43	40185	81.683	ug/l #	85
17) Carbon Disulfide	4.180	76	68676	15.995	ug/l	99
18) Methyl Acetate	4.466	43	29842	19.223	ug/l	95
19) Methyl tert-butyl Ether	5.210	73	97320	19.542	ug/l	99
20) Methylene Chloride	4.698	84	50222	17.176	ug/l	88
21) trans-1,2-Dichloroethene	5.210	96	35957	18.417	ug/l	87
22) Diisopropyl ether	6.106	45	140614	21.236	ug/l	95
23) Vinyl Acetate	6.051	43	392813	101.071	ug/l	96
24) 1,1-Dichloroethane	6.003	63	75077	19.900	ug/l	98
25) 2-Butanone	6.978	43	73114	89.506	ug/l	92
26) 2,2-Dichloropropane	6.972	77	62188	17.865	ug/l	93
27) cis-1,2-Dichloroethene	6.972	96	45525	19.323	ug/l	89
28) Bromochloromethane	7.326	49	24475	19.312	ug/l #	93
29) Tetrahydrofuran	7.338	42	47871	96.999	ug/l	96
30) Chloroform	7.496	83	77944	19.931	ug/l	99
31) Cyclohexane	7.777	56	56192	18.191	ug/l	92
32) 1,1,1-Trichloroethane	7.698	97	64260	19.568	ug/l	96
36) 1,1-Dichloropropene	7.911	75	51689	18.752	ug/l	97
37) Ethyl Acetate	7.070	43	33019	18.740	ug/l	98
38) Carbon Tetrachloride	7.893	117	55685	19.073	ug/l	99
39) Methylcyclohexane	9.179	83	55675	18.213	ug/l	95
40) Benzene	8.155	78	160884	19.069	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.301	41	16940	19.268	ug/l	#	41
42) 1,2-Dichloroethane	8.228	62	45645	19.465	ug/l		89
43) Isopropyl Acetate	8.265	43	61040	19.908	ug/l		94
44) Trichloroethene	8.935	130	43358	18.621	ug/l		100
45) 1,2-Dichloropropane	9.209	63	44280	19.981	ug/l		95
46) Dibromomethane	9.301	93	24131	19.739	ug/l		97
47) Bromodichloromethane	9.490	83	29675	9.862	ug/l		99
48) Methyl methacrylate	9.289	41	25716	19.513	ug/l		87
49) 1,4-Dioxane	9.289	88	4639	326.282	ug/l		95
51) 4-Methyl-2-Pentanone	10.069	43	67243	40.037	ug/l		91
52) Toluene	10.240	92	51229	9.694	ug/l		95
53) t-1,3-Dichloropropene	10.459	75	30394	10.195	ug/l		97
54) cis-1,3-Dichloropropene	9.929	75	29899	8.657	ug/l	#	86
55) 1,1,2-Trichloroethane	10.642	97	35979	19.398	ug/l		98
56) Ethyl methacrylate	10.508	69	19879	8.777	ug/l	#	81
57) 1,3-Dichloropropane	10.788	76	59734	19.846	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.783	63	45173	49.031	ug/l		98
59) 2-Hexanone	10.831	43	112196	98.703	ug/l		92
60) Dibromochloromethane	10.984	129	42781	19.563	ug/l		99
61) 1,2-Dibromoethane	11.087	107	33075	19.386	ug/l		99
64) Tetrachloroethene	10.715	164	42273	18.966	ug/l		99
65) Chlorobenzene	11.514	112	117894	19.987	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.587	131	45324	20.172	ug/l		97
67) Ethyl Benzene	11.593	91	201175	19.845	ug/l		100
68) m/p-Xylenes	11.703	106	156436	40.190	ug/l		94
69) o-Xylene	12.026	106	73446	19.770	ug/l		93
70) Styrene	12.044	104	128231	20.164	ug/l		95
71) Bromoform	12.203	173	26986	19.024	ug/l	#	99
73) Isopropylbenzene	12.325	105	200495	20.361	ug/l		99
74) N-amyl acetate	12.142	43	54499	20.224	ug/l	#	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	43700	20.179	ug/l		99
76) 1,2,3-Trichloropropane	12.630	75	29874m	19.000	ug/l		
77) Bromobenzene	12.605	156	48590	19.977	ug/l		97
78) n-propylbenzene	12.666	91	252264	20.590	ug/l		99
79) 2-Chlorotoluene	12.752	91	140316	20.347	ug/l		98
80) 1,3,5-Trimethylbenzene	12.812	105	171166	20.450	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.374	75	14627	19.781	ug/l	#	83
82) 4-Chlorotoluene	12.849	91	147934	20.511	ug/l		98
83) tert-Butylbenzene	13.075	119	148771	20.687	ug/l		94
84) 1,2,4-Trimethylbenzene	13.117	105	171942	20.764	ug/l		97
85) sec-Butylbenzene	13.251	105	230183	21.023	ug/l		100
86) p-Isopropyltoluene	13.367	119	185429	20.766	ug/l		97
87) 1,3-Dichlorobenzene	13.361	146	99807	20.155	ug/l		100
88) 1,4-Dichlorobenzene	13.440	146	99243	19.873	ug/l		98
89) n-Butylbenzene	13.696	91	178922	20.884	ug/l		99
90) Hexachloroethane	13.959	117	38538	20.447	ug/l		90
91) 1,2-Dichlorobenzene	13.739	146	88800	20.056	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6349	21.517	ug/l		77
93) 1,2,4-Trichlorobenzene	15.007	180	50719	21.874	ug/l		99
94) Hexachlorobutadiene	15.111	225	32096	25.907	ug/l		98
95) Naphthalene	15.233	128	95325	21.003	ug/l		99
96) 1,2,3-Trichlorobenzene	15.422	180	43881	21.623	ug/l		99

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

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