Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102522\
Data File : VD074626.D
Acq On : 25 Oct 2022 12:09
Operator : VA/SY
Sample : VD1025SBS01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 27 01:20:37 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101922S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 20 06:41:20 2022
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

Manual Integrations APPROVED

Reviewed By :Krupa Patel 10/31/2022
Supervised By :Mahesh Dadoda 10/31/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.875	168	94433	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	157156	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	143631	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	72552	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	34689	48.114	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 96.220%			
35) Dibromofluoromethane	7.799	113	44369	50.979	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.960%			
50) Toluene-d8	10.269	98	157647	50.118	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.240%			
62) 4-Bromofluorobenzene	12.575	95	52076	57.852	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 115.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.928	85	14115	19.256	ug/l	98
3) Chloromethane	2.140	50	24083	24.271	ug/l	92
4) Vinyl Chloride	2.275	62	24829	22.627	ug/l	96
5) Bromomethane	2.669	94	17827	21.453	ug/l	99
6) Chloroethane	2.828	64	18199	24.123	ug/l	98
7) Trichlorofluoromethane	3.169	101	33989	21.853	ug/l	95
8) Diethyl Ether	3.593	74	10046	22.303	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.958	101	21373	21.308	ug/l	98
10) Methyl Iodide	4.163	142	20136	18.144	ug/l	100
11) Tert butyl alcohol	5.028	59	12841m	149.683	ug/l	
12) 1,1-Dichloroethene	3.934	96	21465	21.396	ug/l	86
13) Acrolein	3.799	56	7914	102.489	ug/l	95
14) Allyl chloride	4.558	41	22422	20.696	ug/l	95
15) Acrylonitrile	5.252	53	20464	111.162	ug/l	99
16) Acetone	4.022	43	16230	103.088	ug/l	97
17) Carbon Disulfide	4.269	76	53276	19.407	ug/l #	94
18) Methyl Acetate	4.558	43	11326	25.209	ug/l	95
19) Methyl tert-butyl Ether	5.322	73	44544	22.722	ug/l	96
20) Methylene Chloride	4.799	84	34210	22.788	ug/l	96
21) trans-1,2-Dichloroethene	5.305	96	24044	21.499	ug/l	84
22) Diisopropyl ether	6.216	45	51440	23.529	ug/l #	91
23) Vinyl Acetate	6.157	43	94108m	98.437	ug/l	
24) 1,1-Dichloroethane	6.105	63	37601	22.160	ug/l	96
25) 2-Butanone	7.087	43	22978	109.144	ug/l	93
26) 2,2-Dichloropropane	7.075	77	34787	21.450	ug/l	99
27) cis-1,2-Dichloroethene	7.075	96	27718	22.345	ug/l	96
28) Bromochloromethane	7.428	49	7189	17.983	ug/l	97
29) Tetrahydrofuran	7.440	42	13201	114.965	ug/l	99
30) Chloroform	7.593	83	41939	22.970	ug/l	99
31) Cyclohexane	7.875	56	30731	21.219	ug/l #	95
32) 1,1,1-Trichloroethane	7.799	97	37046	22.126	ug/l	98
36) 1,1-Dichloropropene	8.010	75	30545	21.635	ug/l	97
37) Ethyl Acetate	7.169	43	10189	22.874	ug/l	98
38) Carbon Tetrachloride	7.993	117	30322	21.933	ug/l	99
39) Methylcyclohexane	9.275	83	35546	21.072	ug/l	97
40) Benzene	8.252	78	91776	21.904	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.399	41	5899	24.580	ug/l	#	93
42) 1,2-Dichloroethane	8.322	62	22583	23.356	ug/l		100
43) Isopropyl Acetate	8.363	43	18749	22.649	ug/l		99
44) Trichloroethene	9.028	130	27449	22.362	ug/l		97
45) 1,2-Dichloropropane	9.304	63	21132	22.981	ug/l		97
46) Dibromomethane	9.393	93	12688	23.912	ug/l		93
47) Bromodichloromethane	9.587	83	30931	23.561	ug/l		98
48) Methyl methacrylate	9.381	41	8448	22.330	ug/l		95
49) 1,4-Dioxane	9.381	88	2646	506.678	ug/l	#	93
51) 4-Methyl-2-Pentanone	10.157	43	48338	117.395	ug/l		99
52) Toluene	10.334	92	60972	23.596	ug/l		98
53) t-1,3-Dichloropropene	10.551	75	26485	22.945	ug/l		98
54) cis-1,3-Dichloropropene	10.016	75	32320	22.207	ug/l		97
55) 1,1,2-Trichloroethane	10.734	97	17809	24.429	ug/l		97
56) Ethyl methacrylate	10.593	69	18977	23.813	ug/l		98
57) 1,3-Dichloropropane	10.881	76	27947	23.631	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.869	63	9701	77.173	ug/l		96
59) 2-Hexanone	10.922	43	33581	119.488	ug/l		100
60) Dibromochloromethane	11.069	129	21575	24.553	ug/l		99
61) 1,2-Dibromoethane	11.181	107	16020	24.073	ug/l		100
64) Tetrachloroethene	10.810	164	23151	21.806	ug/l		90
65) Chlorobenzene	11.604	112	68461	22.629	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.681	131	23658	22.760	ug/l		97
67) Ethyl Benzene	11.681	91	116201	22.057	ug/l		99
68) m/p-Xylenes	11.792	106	92331	44.078	ug/l		99
69) o-Xylene	12.122	106	43845	22.491	ug/l		95
70) Styrene	12.134	104	76191	23.207	ug/l		98
71) Bromoform	12.298	173	12727	23.321	ug/l	#	93
73) Isopropylbenzene	12.422	105	117037	20.684	ug/l		99
74) N-amyl acetate	12.234	43	17711	21.177	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.669	83	19874	22.187	ug/l		99
76) 1,2,3-Trichloropropane	12.722	75	13927m	21.984	ug/l		
77) Bromobenzene	12.698	156	27107	21.226	ug/l		98
78) n-propylbenzene	12.763	91	141762	21.200	ug/l		99
79) 2-Chlorotoluene	12.845	91	74982	20.698	ug/l		96
80) 1,3,5-Trimethylbenzene	12.904	105	99120	21.580	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.469	75	4852	19.573	ug/l		91
82) 4-Chlorotoluene	12.945	91	79270	21.299	ug/l		100
83) tert-Butylbenzene	13.163	119	87081	21.253	ug/l		100
84) 1,2,4-Trimethylbenzene	13.210	105	97420	21.553	ug/l		98
85) sec-Butylbenzene	13.345	105	130175	21.171	ug/l		99
86) p-Isopropyltoluene	13.457	119	109601	21.277	ug/l		99
87) 1,3-Dichlorobenzene	13.457	146	57842	21.796	ug/l		98
88) 1,4-Dichlorobenzene	13.534	146	55965	21.542	ug/l		98
89) n-Butylbenzene	13.787	91	97433	20.761	ug/l		98
90) Hexachloroethane	14.051	117	19453	21.696	ug/l		95
91) 1,2-Dichlorobenzene	13.828	146	50063	22.615	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.451	75	2660	21.473	ug/l		92
93) 1,2,4-Trichlorobenzene	15.098	180	31788	21.768	ug/l		99
94) Hexachlorobutadiene	15.204	225	17146	21.343	ug/l		96
95) Naphthalene	15.328	128	57656	20.974	ug/l		99
96) 1,2,3-Trichlorobenzene	15.516	180	27356	21.854	ug/l		97

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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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