Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062822\
Data File : VD073744.D
Acq On : 28 Jun 2022 11:36
Operator : VA/SY
Sample : VD0628SBS01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 28 16:28:18 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062722S.M
Quant Title : SW846 8260
QLast Update : Mon Jun 27 16:20:04 2022
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VD0628SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/30/2022
Supervised By :Mahesh Dadoda 06/30/2022

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.973	168	249147	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.855	114	408057	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.638	117	388759	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	203611	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.326	65	107920	53.539	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.080%				
35) Dibromofluoromethane	7.908	113	110197	46.797	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.600%				
50) Toluene-d8	10.332	98	364470	45.645	ug/l		0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 91.280%				
62) 4-Bromofluorobenzene	12.620	95	155666	47.339	ug/l		0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 94.680%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.985	85	30516	21.977	ug/l		96
3) Chloromethane	2.209	50	25648	20.590	ug/l		96
4) Vinyl Chloride	2.344	62	28567	21.731	ug/l		94
5) Bromomethane	2.750	94	23460	23.430	ug/l		95
6) Chloroethane	2.909	64	19833	20.513	ug/l		94
7) Trichlorofluoromethane	3.262	101	70558	20.512	ug/l		98
8) Diethyl Ether	3.709	74	19630	20.858	ug/l		97
9) 1,1,2-Trichlorotrifluo...	4.085	101	42393	20.739	ug/l		98
10) Methyl Iodide	4.297	142	35662	20.062	ug/l		97
11) Tert butyl alcohol	5.173	59	44441	147.829	ug/l	#	100
12) 1,1-Dichloroethene	4.062	96	32601	19.565	ug/l	#	78
13) Acrolein	3.920	56	15428	200.279	ug/l		97
14) Allyl chloride	4.709	41	46560	17.901	ug/l		92
15) Acrylonitrile	5.409	53	48912	99.518	ug/l		96
16) Acetone	4.162	43	39563	99.937	ug/l		96
17) Carbon Disulfide	4.409	76	63821	19.881	ug/l	#	94
18) Methyl Acetate	4.720	43	24172	19.968	ug/l	#	78
19) Methyl tert-butyl Ether	5.467	73	104821	20.517	ug/l		96
20) Methylene Chloride	4.956	84	54033	15.252	ug/l		92
21) trans-1,2-Dichloroethene	5.467	96	40050	20.372	ug/l		95
22) Diisopropyl ether	6.356	45	128887	20.198	ug/l		95
23) Vinyl Acetate	6.303	43	328298	99.021	ug/l		97
24) 1,1-Dichloroethane	6.256	63	83444	20.971	ug/l		99
25) 2-Butanone	7.203	43	58560	99.362	ug/l		100
26) 2,2-Dichloropropane	7.197	77	79063	20.868	ug/l		99
27) cis-1,2-Dichloroethene	7.208	96	52417	20.811	ug/l		99
28) Bromochloromethane	7.532	49	28393	19.109	ug/l		99
29) Tetrahydrofuran	7.555	42	34589	96.963	ug/l		99
30) Chloroform	7.702	83	99000	21.260	ug/l		93
31) Cyclohexane	7.973	56	58038	20.367	ug/l	#	89
32) 1,1,1-Trichloroethane	7.891	97	87672	21.613	ug/l		100
36) 1,1-Dichloropropene	8.108	75	59661	20.340	ug/l		97
37) Ethyl Acetate	7.285	43	24565	18.379	ug/l	#	94
38) Carbon Tetrachloride	8.091	117	76945	21.407	ug/l		89
39) Methylcyclohexane	9.344	83	60090	20.151	ug/l		98
40) Benzene	8.344	78	176447	20.213	ug/l		100

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Manual Integrations APPROVED

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.508	41	13589	16.971	ug/l	#	86
42) 1,2-Dichloroethane	8.420	62	62298	22.504	ug/l		99
43) Isopropyl Acetate	8.444	43	51821	19.853	ug/l		99
44) Trichloroethene	9.108	130	51252	20.292	ug/l		93
45) 1,2-Dichloropropane	9.373	63	47721	20.302	ug/l		92
46) Dibromomethane	9.467	93	28722	21.305	ug/l		95
47) Bromodichloromethane	9.649	83	76350	21.115	ug/l		90
48) Methyl methacrylate	9.449	41	26496	22.332	ug/l		97
49) 1,4-Dioxane	9.455	88	6691	403.119	ug/l	#	96
51) 4-Methyl-2-Pentanone	10.220	43	138901	100.544	ug/l		99
52) Toluene	10.396	92	122515	20.882	ug/l		98
53) t-1,3-Dichloropropene	10.608	75	67340	20.499	ug/l		98
54) cis-1,3-Dichloropropene	10.079	75	76195	20.380	ug/l		94
55) 1,1,2-Trichloroethane	10.791	97	41440	20.892	ug/l		97
56) Ethyl methacrylate	10.649	69	44760	19.790	ug/l		97
57) 1,3-Dichloropropane	10.938	76	66968	20.829	ug/l		97
58) 2-Chloroethyl Vinyl ether	9.932	63	80148	92.064	ug/l		96
59) 2-Hexanone	10.979	43	93977	100.209	ug/l		97
60) Dibromochloromethane	11.126	129	55571	21.249	ug/l		97
61) 1,2-Dibromoethane	11.238	107	37845	20.215	ug/l		99
64) Tetrachloroethene	10.867	164	44023	20.807	ug/l		95
65) Chlorobenzene	11.661	112	140405	20.394	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.738	131	58567	20.876	ug/l		98
67) Ethyl Benzene	11.738	91	243520	20.757	ug/l		96
68) m/p-Xylenes	11.843	106	190743	42.192	ug/l		96
69) o-Xylene	12.173	106	90995	21.311	ug/l		97
70) Styrene	12.185	104	158775	21.425	ug/l		99
71) Bromoform	12.349	173	32919	20.487	ug/l	#	96
73) Isopropylbenzene	12.467	105	246404	20.143	ug/l		100
74) N-amyl acetate	12.279	43	51066	18.935	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.720	83	48573	19.698	ug/l		99
76) 1,2,3-Trichloropropane	12.767	75	36406m	23.899	ug/l		
77) Bromobenzene	12.749	156	62674	20.646	ug/l		99
78) n-propylbenzene	12.808	91	307129	20.192	ug/l		99
79) 2-Chlorotoluene	12.896	91	184006	20.570	ug/l		97
80) 1,3,5-Trimethylbenzene	12.949	105	217660	20.541	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.514	75	14872	19.885	ug/l		99
82) 4-Chlorotoluene	12.990	91	190600	20.257	ug/l		99
83) tert-Butylbenzene	13.208	119	189991	20.760	ug/l		98
84) 1,2,4-Trimethylbenzene	13.255	105	217722	20.782	ug/l		99
85) sec-Butylbenzene	13.390	105	280005	20.329	ug/l		100
86) p-Isopropyltoluene	13.502	119	238606	20.991	ug/l		99
87) 1,3-Dichlorobenzene	13.502	146	126561	20.460	ug/l		99
88) 1,4-Dichlorobenzene	13.579	146	128837	20.592	ug/l		99
89) n-Butylbenzene	13.826	91	214853	20.119	ug/l		97
90) Hexachloroethane	14.096	117	49130	20.422	ug/l		98
91) 1,2-Dichlorobenzene	13.873	146	111527	20.140	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.485	75	8966	22.042	ug/l		90
93) 1,2,4-Trichlorobenzene	15.149	180	65993	19.806	ug/l		99
94) Hexachlorobutadiene	15.249	225	39494	21.414	ug/l		95
95) Naphthalene	15.379	128	119001	19.551	ug/l		98
96) 1,2,3-Trichlorobenzene	15.573	180	57641	19.622	ug/l		99

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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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