Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042623\
Data File : VD075851.D
Acq On : 26 Apr 2023 22:59
Operator : KP/SY
Sample : 02447-19MSD
Misc : 5.03G/10.00ml/MSVOA_D/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : EW937MSD

Quant Time: Apr 27 02:08:19 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM042023SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Apr 27 02:02:18 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	268918	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	201283	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	57318	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	153189	25.967	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 103.880%			
7) Chloroethane-d5	2.805	69	138493	27.170	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 108.680%			
11) 1,1-Dichloroethene-d2	3.922	65	33989	24.990	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 99.960%			
21) 2-Butanone-d5	6.987	46	28336	55.329	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 110.660%			
24) Chloroform-d	7.569	84	194495	28.922	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 115.680%			
26) 1,2-Dichloroethane-d4	8.234	65	84442	29.404	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 117.600%			
32) Benzene-d6	8.205	84	388034	33.076	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 132.320%			
36) 1,2-Dichloropropane-d6	9.210	67	113308	34.894	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 139.560%#			
41) Toluene-d8	10.269	98	328712	29.929	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 119.720%			
43) trans-1,3-Dichloroprop...	10.528	79	40067	29.852	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 119.400%			
47) 2-Hexanone-d5	10.875	63	23534	60.192	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 120.380%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	76234	30.680	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 122.720%#			
66) 1,2-Dichlorobenzene-d4	13.816	152	51080	25.195	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 100.760%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	104599	28.215	ug/L	98
3) Chloromethane	2.152	50	146837	28.413	ug/L	98
5) Vinyl chloride	2.287	62	181473	26.868	ug/L	97
6) Bromomethane	2.699	94	116466	25.662	ug/L	99
8) Chloroethane	2.840	64	119480	27.352	ug/L	96
9) Trichlorofluoromethane	3.175	101	139867	25.772	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	89973	24.678	ug/L	96
12) 1,1-Dichloroethene	3.946	96	94480	26.721	ug/L	88
13) Acetone	4.022	43	28628	65.320	ug/L	94
14) Carbon disulfide	4.275	76	291189	23.578	ug/L	97
15) Methyl Acetate	4.569	43	23235	24.462	ug/L #	54
16) Methylene chloride	4.799	84	131816	24.163	ug/L	97
17) trans-1,2-Dichloroethene	5.316	96	101368	25.567	ug/L	96
18) Methyl tert-butyl Ether	5.322	73	193186	30.376	ug/L #	93
19) 1,1-Dichloroethane	6.116	63	167905	28.908	ug/L	98
20) cis-1,2-Dichloroethene	7.081	96	114813	27.387	ug/L	96
22) 2-Butanone	7.081	43	37330	65.334	ug/L	95
23) Bromochloromethane	7.428	128	58720	30.202	ug/L #	96
25) Chloroform	7.599	83	184573	28.355	ug/L	95

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM042023SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Apr 27 02:02:18 2023
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.328	62	101744	30.280	ug/L		97
29) Cyclohexane	7.881	56	85822	24.907	ug/L		95
30) 1,1,1-Trichloroethane	7.793	97	135923	31.917	ug/L		99
31) Carbon tetrachloride	7.793	117	20684	6.054	ug/L		96
33) Benzene	8.252	78	412373	33.870	ug/L		100
34) Trichloroethene	9.028	95	92277	29.307	ug/L		96
35) Methylcyclohexane	9.275	83	91217	18.790	ug/L		99
37) 1,2-Dichloropropane	9.304	63	100922	36.085	ug/L	#	96
38) Bromodichloromethane	9.587	83	130027	34.480	ug/L		99
39) cis-1,3-Dichloropropene	10.016	75	134601	30.262	ug/L		97
40) 4-Methyl-2-pentanone	10.163	43	76047	74.578	ug/L		98
42) Toluene	10.334	91	408040	30.969	ug/L		100
44) trans-1,3-Dichloropropene	10.551	75	110087	30.810	ug/L		96
45) 1,1,2-Trichloroethane	10.734	97	82895	34.839	ug/L		97
46) Tetrachloroethene	10.810	164	63456	24.571	ug/L		86
48) 2-Hexanone	10.922	43	50261	69.917	ug/L		93
49) Dibromochloromethane	11.075	129	84581	32.654	ug/L		98
50) 1,2-Dibromoethane	11.181	107	71446	33.306	ug/L		97
51) Chlorobenzene	11.610	112	223228	25.898	ug/L		98
52) Ethylbenzene	11.687	91	336897	24.935	ug/L		99
53) m,p-Xylene	11.793	106	134892	25.073	ug/L		95
54) o-Xylene	12.122	106	134706	26.362	ug/L		91
55) Styrene	12.134	104	216122	24.301	ug/L		96
57) 1,1,2,2-Tetrachloroethane	12.675	83	72158	29.806	ug/L		99
59) Bromoform	12.298	173	45999	52.363	ug/L		98
60) Isopropylbenzene	12.422	105	268985	35.392	ug/L		100
61) 1,2,3-Trichloropropane	12.728	75	50079	55.618	ug/L		99
62) 1,3,5-Trimethylbenzene	12.904	105	171680	30.293	ug/L		99
63) 1,2,4-Trimethylbenzene	13.210	105	166371	30.453	ug/L		100
64) 1,3-Dichlorobenzene	13.457	146	96010	26.402	ug/L		95
65) 1,4-Dichlorobenzene	13.540	146	94545	24.772	ug/L		99
67) 1,2-Dichlorobenzene	13.834	146	85519	26.334	ug/L		97
68) 1,2-Dibromo-3-chloropr...	14.445	75	8091	44.950	ug/L		91
69) 1,3,5-Trichlorobenzene	14.592	180	31362	12.867	ug/L		99
70) 1,2,4-trichlorobenzene	15.098	180	19273	9.542	ug/L		97
71) Naphthalene	15.334	128	56552	15.299	ug/L		99
72) 1,2,3-Trichlorobenzene	15.522	180	16676	9.249	ug/L		94

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

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