

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102221\
 Data File : VX024869.D
 Acq On : 22 Oct 2021 14:14
 Operator : JC/MD
 Sample : MDL02
 Misc : 25.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

MMDadoda

10/25/2021 10:17:34 AM

Quant Time: Oct 23 03:54:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXTR102221WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Oct 23 03:44:55 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.769	114	72863	5.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	65558	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	31400	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	9483	4.433	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.600%
7) Chloroethane-d5	1.672	69	9776	5.072	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.400%
11) 1,1-Dichloroethene-d2	2.312	63	27862	3.494	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.800%
20) 2-Butanone-d5	4.483	46	37800	48.333	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.660%
24) Chloroform-d	5.068	84	50810	4.934	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.600%
26) 1,2-Dichloroethane-d4	5.964	65	26765	4.755	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.200%
32) Benzene-d6	5.983	84	81703	5.349	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.000%
36) 1,2-Dichloropropane-d6	7.312	67	24563	5.040	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.800%
41) Toluene-d8	8.653	98	79332	5.180	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.600%
43) trans-1,3-Dichloroprop...	8.951	79	10767	4.813	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.200%
46) 2-Hexanone-d5	9.390	63	41069	51.015	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.040%
56) 1,1,2,2-Tetrachloroeth...	11.195	84	19122	5.134	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.600%
66) 1,2-Dichlorobenzene-d4	12.323	152	29226	5.523	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	2037	0.244	ug/L	92
3) Chloromethane	1.288	50	601	0.206	ug/L	92
5) Vinyl chloride	1.374	62	603	0.169	ug/L #	61
6) Bromomethane	1.617	94	730	0.262	ug/L #	57
8) Chloroethane	1.691	64	664	0.310	ug/L #	79
9) Trichlorofluoromethane	1.892	101	2560	0.241	ug/L	89
10) 1,1,2-Trichloro-1,2,2-...	2.337	101	1620	0.291	ug/L	87
12) 1,1-Dichloroethene	2.325	96	1430	0.320	ug/L #	1
13) Acetone	2.398	43	1453	2.477	ug/L	94
14) Carbon disulfide	2.514	76	3143	0.258	ug/L #	90
15) Methyl Acetate	2.721	43	394	0.295	ug/L #	41
16) Methylene chloride	2.794	84	3998	0.770	ug/L #	81
17) Methyl tert-butyl Ether	3.129	73	2943	0.229	ug/L #	91
18) trans-1,2-Dichloroethene	3.099	96	1044	0.200	ug/L	83
19) 1,1-Dichloroethane	3.623	63	2180	0.239	ug/L	87
21) 2-Butanone	4.586	43	2062	2.390	ug/L	96
22) cis-1,2-Dichloroethene	4.483	96	1334m	0.239	ug/L	
23) Bromochloromethane	4.922	128	548m	0.217	ug/L	
25) Chloroform	5.092	83	3984	0.336	ug/L	85

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.104	62	1658	0.228	ug/L #	85
29) 1,1,1-Trichloroethane	5.391	97	2886	0.254	ug/L	93
30) Cyclohexane	5.477	56	1553	0.220	ug/L #	80
31) Carbon tetrachloride	5.702	117	2388	0.244	ug/L #	34
33) Benzene	6.043	78	4317	0.225	ug/L	100
34) Trichloroethene	7.129	95	1910	0.306	ug/L	88
35) Methylcyclohexane	7.391	83	1871	0.215	ug/L #	77
37) 1,2-Dichloropropane	7.433	63	1269	0.271	ug/L	98
38) Bromodichloromethane	7.836	83	1840	0.236	ug/L	95
39) cis-1,3-Dichloropropene	8.366	75	1973	0.250	ug/L	87
40) 4-Methyl-2-pentanone	8.580	43	4505	2.160	ug/L #	86
42) Toluene	8.720	91	6526	0.291	ug/L	89
44) trans-1,3-Dichloropropene	8.976	75	1849m	0.259	ug/L	
45) 1,1,2-Trichloroethane	9.159	97	854	0.227	ug/L #	78
47) Tetrachloroethene	9.281	164	1221	0.280	ug/L #	70
48) 2-Hexanone	9.433	43	3891	2.555	ug/L #	98
49) Dibromochloromethane	9.525	129	1011	0.205	ug/L	94
50) 1,2-Dibromoethane	9.616	107	854	0.226	ug/L #	72
51) Chlorobenzene	10.085	112	3616	0.254	ug/L #	89
52) Ethylbenzene	10.195	91	5739	0.217	ug/L	100
53) m,p-xylene	10.305	106	2316	0.247	ug/L	84
54) o-xylene	10.646	106	2360	0.258	ug/L	71
55) Styrene	10.659	104	3734	0.243	ug/L	97
57) 1,1,2,2-Tetrachloroethane	11.219	83	1309	0.301	ug/L #	57
59) Bromoform	10.799	173	410	0.188	ug/L #	90
60) Isopropylbenzene	10.963	105	5988	0.239	ug/L #	90
61) 1,2,3-Trichloropropane	11.250	75	651	0.212	ug/L	94
62) 1,3,5-Trimethylbenzene	11.457	105	5077	0.232	ug/L	94
63) 1,2,4-Trimethylbenzene	11.756	105	5105	0.228	ug/L	100
64) 1,3-Dichlorobenzene	11.975	146	2833	0.272	ug/L	94
65) 1,4-Dichlorobenzene	12.042	146	2706	0.259	ug/L	89
67) 1,2-Dichlorobenzene	12.341	146	2404	0.251	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.945	75	145	0.194	ug/L #	58
69) 1,3,5-Trichlorobenzene	13.115	180	2061	0.260	ug/L #	95
70) 1,2,4-trichlorobenzene	13.591	180	1786	0.285	ug/L	93
71) Naphthalene	13.780	128	2248	0.199	ug/L #	90
72) 1,2,3-Trichlorobenzene	13.969	180	1306	0.232	ug/L #	94

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

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