

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110121\
 Data File : VX025037.D
 Acq On : 01 Nov 2021 17:24
 Operator : JC/MD
 Sample : MDL07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL07

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/02/2021
 Supervised By :Mahesh Dadoda 11/02/2021

Quant Time: Nov 02 04:00:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML102821WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 02 03:29:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	174319	50.000	ug/L	# 0.00
28) Chlorobenzene-d5	10.055	117	160050	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	73906	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	40727	36.652	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	73.300%		
7) Chloroethane-d5	1.666	69	29184	38.423	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	76.840%		
11) 1,1-Dichloroethene-d2	2.307	63	82222	30.028	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	60.060%		
21) 2-Butanone-d5	4.465	46	94982	85.577	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	85.580%		
24) Chloroform-d	5.062	84	129301	44.471	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.940%		
26) 1,2-Dichloroethane-d4	5.958	65	93915	44.047	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.100%		
32) Benzene-d6	5.983	84	205824	45.308	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.620%		
36) 1,2-Dichloropropane-d6	7.312	67	70763	45.708	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	91.420%		
41) Toluene-d8	8.653	98	204055	46.951	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.900%		
43) trans-1,3-Dichloroprop...	8.952	79	39897	44.844	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.680%		
47) 2-Hexanone-d5	9.385	63	74541	94.568	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	94.570%		
56) 1,1,2,2-Tetrachloroeth...	11.195	84	97735	46.686	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	93.380%		
66) 1,2-Dichlorobenzene-d4	12.323	152	68858	48.014	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.020%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	3661	2.237	ug/L	95
3) Chloromethane	1.295	50	2282	2.006	ug/L	90
5) Vinyl chloride	1.374	62	2791	2.180	ug/L	91
6) Bromomethane	1.612	94	1914	2.324	ug/L	91
8) Chloroethane	1.691	64	1440	2.226	ug/L	99
9) Trichlorofluoromethane	1.892	101	6054	2.130	ug/L	92
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	4170	3.235	ug/L #	78
12) 1,1-Dichloroethene	2.319	96	3363	3.102	ug/L #	1
13) Acetone	2.386	43	4972	4.713	ug/L	98
14) Carbon disulfide	2.508	76	6129	2.085	ug/L	100
15) Methyl Acetate	2.709	43	3705	2.429	ug/L #	81
16) Methylene chloride	2.788	84	3603	2.935	ug/L #	68
17) trans-1,2-Dichloroethene	3.093	96	2830	2.549	ug/L #	90
18) Methyl tert-butyl Ether	3.117	73	10350	2.257	ug/L #	82
19) 1,1-Dichloroethane	3.611	63	5959	2.310	ug/L	92
20) cis-1,2-Dichloroethene	4.495	96	3571	2.847	ug/L	96
22) 2-Butanone	4.562	43	6330m	4.874	ug/L	
23) Bromochloromethane	4.904	128	1668	2.662	ug/L #	64
25) Chloroform	5.093	83	8386	2.921	ug/L	79

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27) 1,2-Dichloroethane	6.092	62	5916	2.331	ug/L #	90
29) Cyclohexane	5.471	56	4397m	2.026	ug/L	
30) 1,1,1-Trichloroethane	5.391	97	7213	2.605	ug/L #	67
31) Carbon tetrachloride	5.684	117	5989m	2.554	ug/L	
33) Benzene	6.032	78	12348	2.492	ug/L	100
34) Trichloroethene	7.135	95	3811	2.549	ug/L	88
35) Methylcyclohexane	7.385	83	4938	2.289	ug/L #	86
37) 1,2-Dichloropropane	7.428	63	3216	2.281	ug/L #	85
38) Bromodichloromethane	7.824	83	5392	2.503	ug/L #	93
39) cis-1,3-Dichloropropene	8.366	75	5787	2.526	ug/L	92
40) 4-Methyl-2-pentanone	8.574	43	9815	4.483	ug/L #	78
42) Toluene	8.726	91	15333	2.828	ug/L	93
44) trans-1,3-Dichloropropene	8.982	75	5387m	2.284	ug/L	
45) 1,1,2-Trichloroethane	9.153	97	3155	2.391	ug/L #	79
46) Tetrachloroethene	9.281	164	2388	2.559	ug/L	84
48) 2-Hexanone	9.433	43	8632	4.770	ug/L #	87
49) Dibromochloromethane	9.525	129	3786	2.549	ug/L	96
50) 1,2-Dibromoethane	9.610	107	3381	2.322	ug/L #	81
51) Chlorobenzene	10.086	112	8137	2.509	ug/L	95
52) Ethylbenzene	10.195	91	14177	2.266	ug/L	100
53) m,p-Xylene	10.305	106	5593	2.599	ug/L	75
54) o-Xylene	10.640	106	5257	2.499	ug/L	85
55) Styrene	10.659	104	8554	2.404	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.214	83	5770	2.717	ug/L #	83
59) Bromoform	10.805	173	2086	2.291	ug/L #	81
60) Isopropylbenzene	10.964	105	13831	2.455	ug/L	98
61) 1,2,3-Trichloropropane	11.244	75	5097	2.831	ug/L #	89
62) 1,3,5-Trimethylbenzene	11.451	105	11986	2.457	ug/L	94
63) 1,2,4-Trimethylbenzene	11.756	105	11502	2.352	ug/L	95
64) 1,3-Dichlorobenzene	11.976	146	5764	2.629	ug/L	94
65) 1,4-Dichlorobenzene	12.043	146	5595	2.468	ug/L	92
67) 1,2-Dichlorobenzene	12.335	146	6167	2.754	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.945	75	1640	2.794	ug/L #	81
69) 1,3,5-Trichlorobenzene	13.116	180	4123	2.619	ug/L	95
70) 1,2,4-trichlorobenzene	13.591	180	3058	2.291	ug/L	98
71) Naphthalene	13.780	128	8538	1.850	ug/L #	96
72) 1,2,3-Trichlorobenzene	13.963	180	3113	2.268	ug/L	91

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

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