

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072524\
 Data File : VW036668.D
 Acq On : 24 Jul 2024 13:42
 Operator : SY/MD
 Sample : VSTD00533
 Misc : 5.00mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005233

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/26/2024
 Supervised By :Semsettin Yesilyurt 07/26/2024

Quant Time: Jul 25 02:26:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072424WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 25 02:25:25 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	372301	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	381625	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	203437	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	14104	4.913	ug/L	0.00
7) Chloroethane-d5	1.529	69	11917	6.877	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.053	65	6787	5.614	ug/L	0.00
21) 2-Butanone-d5	3.818	46	10955m	7.400	ug/L	0.04
24) Chloroform-d	4.249	84	27601	5.498	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.950	65	16053	5.471	ug/L	0.01
32) Benzene-d6	4.960	84	46088	4.701	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.989	67	13261	4.442	ug/L	0.00
41) Toluene-d8	7.246	98	41801	4.649	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.564	79	6430m	4.497	ug/L	0.02
47) 2-Hexanone-d5	8.040	63	6525m	7.164	ug/L	0.02
56) 1,1,2,2-Tetrachloroeth...	10.153	84	20569	4.789	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.561	152	20242	5.643	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	19134	6.743	ug/L	100
3) Chloromethane	1.214	50	13723	5.087	ug/L	97
5) Vinyl chloride	1.278	62	16203	5.547	ug/L	99
6) Bromomethane	1.484	94	13714	7.342	ug/L	97
8) Chloroethane	1.545	64	10820	7.845	ug/L	97
9) Trichlorofluoromethane	1.709	101	29934	7.150	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	18044	6.975	ug/L	99
12) 1,1-Dichloroethene	2.066	96	15888	6.862	ug/L	98
13) Acetone	2.108	43	18808	11.185	ug/L	95
14) Carbon disulfide	2.236	76	39347	6.244	ug/L	98
15) Methyl Acetate	2.378	43	11712m	4.445	ug/L	
16) Methylene chloride	2.442	84	17142	6.140	ug/L	98
17) trans-1,2-Dichloroethene	2.693	96	14308	5.908	ug/L	95
18) Methyl tert-butyl Ether	2.700	73	34730	4.455	ug/L	99
19) 1,1-Dichloroethane	3.108	63	24537	5.145	ug/L	97
20) cis-1,2-Dichloroethene	3.815	96	14622	5.426	ug/L	96
22) 2-Butanone	3.902	43	14045m	7.448	ug/L	
23) Bromochloromethane	4.153	128	9642	6.262	ug/L	94
25) Chloroform	4.272	83	30181	5.935	ug/L	99
27) 1,2-Dichloroethane	5.047	62	19391	5.205	ug/L	97
29) Cyclohexane	4.574	56	13242	3.917	ug/L	99
30) 1,1,1-Trichloroethane	4.510	97	26572	6.006	ug/L	99
31) Carbon tetrachloride	4.728	117	25558	6.514	ug/L	96
33) Benzene	5.011	78	48917	4.813	ug/L	100
34) Trichloroethene	5.838	95	19627	6.796	ug/L	98
35) Methylcyclohexane	6.043	83	18789	4.699	ug/L	95
37) 1,2-Dichloropropane	6.095	63	12057	4.381	ug/L	100
38) Bromodichloromethane	6.436	83	21363	5.522	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	18945m	4.519	ug/L	
40) 4-Methyl-2-pentanone	7.162	43	21923m	6.785	ug/L	
42) Toluene	7.317	91	51950	4.822	ug/L	96
44) trans-1,3-Dichloropropene	7.590	75	18047m	4.496	ug/L	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.770	97	15995	5.351	ug/L	97
46) Tetrachloroethene	7.905	164	17842	7.799	ug/L	99
48) 2-Hexanone	8.085	43	17718m	6.517	ug/L	
49) Dibromochloromethane	8.175	129	18539	5.911	ug/L	99
50) 1,2-Dibromoethane	8.288	107	17964	5.805	ug/L	97
51) Chlorobenzene	8.812	112	42127	5.513	ug/L	97
52) Ethylbenzene	8.947	91	54644	4.663	ug/L	99
53) m,p-Xylene	9.075	106	19580	4.374	ug/L	99
54) o-Xylene	9.477	106	18313	4.189	ug/L	95
55) Styrene	9.500	104	30155	3.998	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.175	83	19624	4.248	ug/L	99
59) Bromoform	9.664	173	14263	5.755	ug/L	97
60) Isopropylbenzene	9.863	105	48294	4.154	ug/L	98
61) 1,2,3-Trichloropropane	10.207	75	18271	4.898	ug/L	96
62) 1,3,5-Trimethylbenzene	10.474	105	35347	3.798	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	34347	3.760	ug/L	98
64) 1,3-Dichlorobenzene	11.117	146	33710	5.530	ug/L	94
65) 1,4-Dichlorobenzene	11.207	146	38057	5.937	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	34635	5.575	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	5240	5.900	ug/L	89
69) 1,3,5-Trichlorobenzene	12.580	180	24650	5.648	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	18846	5.317	ug/L	97
71) Naphthalene	13.439	128	38600	4.619	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	20326	5.720	ug/L	100

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

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