

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103122\
 Data File : VV028772.D
 Acq On : 31 Oct 2022 11:20
 Operator : SY/MD
 Sample : VSTD00570
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005270

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/01/2022
 Supervised By :Mahesh Dadoda 11/01/2022

Quant Time: Nov 01 02:57:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM103122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 01 02:57:26 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	456428	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	411899	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	187668	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	22516	6.210	ug/L	0.00
7) Chloroethane-d5	1.564	69	18985	6.497	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.108	63	40603	6.353	ug/L	0.00
21) 2-Butanone-d5	3.902	46	28271m	8.959	ug/L	0.03
24) Chloroform-d	4.346	84	31395	4.885	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.030	65	20772	4.987	ug/L	0.00
32) Benzene-d6	5.047	84	64678	4.956	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.066	67	21738	5.059	ug/L	0.00
41) Toluene-d8	7.313	98	53494	4.583	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.625	79	6786	3.270	ug/L	0.00
47) 2-Hexanone-d5	8.095	63	16998	7.512	ug/L	0.01
56) 1,1,2,2-Tetrachloroeth...	10.210	84	28601	4.901	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.619	152	19117	5.016	ug/L	0.00
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	15948	4.675	ug/L	99
3) Chloromethane	1.240	50	26767	6.373	ug/L	95
5) Vinyl chloride	1.310	62	22990	5.580	ug/L	96
6) Bromomethane	1.519	94	13225	6.723	ug/L	96
8) Chloroethane	1.584	64	16479	6.520	ug/L	90
9) Trichlorofluoromethane	1.751	101	28958	5.757	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	16709	5.845	ug/L	98
12) 1,1-Dichloroethene	2.114	96	16537	5.894	ug/L	96
13) Acetone	2.169	43	34057	12.853	ug/L	96
14) Carbon disulfide	2.291	76	44196	5.098	ug/L	98
15) Methyl Acetate	2.433	43	23095	5.339	ug/L	96
16) Methylene chloride	2.503	84	23480	6.603	ug/L	93
17) trans-1,2-Dichloroethene	2.757	96	15287	4.849	ug/L	99
18) Methyl tert-butyl Ether	2.760	73	51520	4.518	ug/L	98
19) 1,1-Dichloroethane	3.185	63	33917	5.210	ug/L	98
20) cis-1,2-Dichloroethene	3.908	96	16176	4.555	ug/L #	92
22) 2-Butanone	3.982	43	35598m	10.706	ug/L	
23) Bromochloromethane	4.243	128	7831	4.564	ug/L	93
25) Chloroform	4.371	83	30761	4.905	ug/L	97
27) 1,2-Dichloroethane	5.130	62	23785	4.874	ug/L #	94
29) Cyclohexane	4.674	56	30870	5.108	ug/L	97
30) 1,1,1-Trichloroethane	4.603	97	24170	4.581	ug/L	96
31) Carbon tetrachloride	4.822	117	18907	4.309	ug/L	98
33) Benzene	5.095	78	65532	4.764	ug/L	100
34) Trichloroethene	5.911	95	16517	4.921	ug/L	98
35) Methylcyclohexane	6.127	83	28319	4.810	ug/L	98
37) 1,2-Dichloropropane	6.172	63	18332	4.958	ug/L	98
38) Bromodichloromethane	6.506	83	20672	4.400	ug/L	99
39) cis-1,3-Dichloropropene	7.027	75	23267	4.063	ug/L	93
40) 4-Methyl-2-pentanone	7.227	43	58982	9.347	ug/L	97
42) Toluene	7.384	91	67538	4.778	ug/L	100
44) trans-1,3-Dichloropropene	7.651	75	20342	3.720	ug/L	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.834	97	16489	4.883	ug/L	98
46) Tetrachloroethene	7.969	164	11253	4.686	ug/L	97
48) 2-Hexanone	8.143	43	44252	9.094	ug/L	97
49) Dibromochloromethane	8.243	129	13581	3.858	ug/L	98
50) 1,2-Dibromoethane	8.349	107	15588	4.489	ug/L	99
51) Chlorobenzene	8.876	112	43663	4.964	ug/L	98
52) Ethylbenzene	9.008	91	71084	4.621	ug/L	100
53) m,p-Xylene	9.133	106	26069	4.500	ug/L	92
54) o-Xylene	9.538	106	25612	4.426	ug/L	99
55) Styrene	9.558	104	42259	4.250	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.236	83	27259	4.655	ug/L #	95
59) Bromoform	9.725	173	8307	3.736	ug/L #	95
60) Isopropylbenzene	9.924	105	67452	4.944	ug/L	100
61) 1,2,3-Trichloropropane	10.268	75	23076	5.664	ug/L	100
62) 1,3,5-Trimethylbenzene	10.532	105	53503	4.555	ug/L	97
63) 1,2,4-Trimethylbenzene	10.908	105	53475	4.585	ug/L	100
64) 1,3-Dichlorobenzene	11.175	146	28401	4.802	ug/L	97
65) 1,4-Dichlorobenzene	11.265	146	30496	5.162	ug/L	97
67) 1,2-Dichlorobenzene	11.635	146	29163	4.888	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.419	75	5112	4.260	ug/L	90
69) 1,3,5-Trichlorobenzene	12.638	180	20259	4.571	ug/L	98
70) 1,2,4-trichlorobenzene	13.255	180	16240	4.212	ug/L	100
71) Naphthalene	13.493	128	54178	4.462	ug/L	98
72) 1,2,3-Trichlorobenzene	13.734	180	16318	4.285	ug/L	91

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

