

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072824\
 Data File : VX042598.D
 Acq On : 26 Jul 2024 14:29
 Operator : JC/MD
 Sample : VSTD20016
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD200616

Quant Time: Jul 27 00:36:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML072624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 27 00:33:58 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/29/2024
 Supervised By : Mahesh Dadoda 07/29/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	175991	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	161637	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	77596	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	228227	213.455	ug/L	0.00
7) Chloroethane-d5	1.648	69	95968m	217.813	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.294	65	110041	213.032	ug/L	0.00
21) 2-Butanone-d5	4.471	46	316674	399.612	ug/L	0.00
24) Chloroform-d	5.056	84	500605	213.906	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.958	65	312158	206.749	ug/L	0.00
32) Benzene-d6	5.970	84	950428	211.867	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.312	67	289172	217.805	ug/L	0.00
41) Toluene-d8	8.647	98	863847	214.774	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.952	79	149482	240.592	ug/L	0.00
47) 2-Hexanone-d5	9.384	63	270990	458.014	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	11.195	84	409236	214.080	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.323	152	312074	212.807	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	320631	206.211	ug/L	99
3) Chloromethane	1.294	50	258472	201.024	ug/L	100
5) Vinyl chloride	1.374	62	259614	212.405	ug/L	96
6) Bromomethane	1.599	94	83388	217.274	ug/L	97
8) Chloroethane	1.666	64	89565m	199.691	ug/L	
9) Trichlorofluoromethane	1.868	101	362508m	210.878	ug/L	
10) 1,1,2-Trichloro-1,2,2-...	2.313	101	253997	204.311	ug/L	100
12) 1,1-Dichloroethene	2.306	96	241503m	212.265	ug/L	
13) Acetone	2.392	43	243726	393.459	ug/L	100
14) Carbon disulfide	2.502	76	648923	233.597	ug/L	99
15) Methyl Acetate	2.709	43	264882	192.910	ug/L	100
16) Methylene chloride	2.782	84	265156	201.804	ug/L	98
17) trans-1,2-Dichloroethene	3.087	96	247095	211.628	ug/L	94
18) Methyl tert-butyl Ether	3.123	73	856213	211.567	ug/L	100
19) 1,1-Dichloroethane	3.605	63	460608	206.618	ug/L	98
20) cis-1,2-Dichloroethene	4.483	96	283917	212.891	ug/L	98
22) 2-Butanone	4.568	43	384131	407.170	ug/L	98
23) Bromochloromethane	4.904	128	131444	210.007	ug/L	97
25) Chloroform	5.093	83	493904	207.787	ug/L	98
27) 1,2-Dichloroethane	6.086	62	392381	207.847	ug/L	96
29) Cyclohexane	5.464	56	405299	212.104	ug/L	98
30) 1,1,1-Trichloroethane	5.379	97	442870	214.503	ug/L	99
31) Carbon tetrachloride	5.672	117	382423	219.291	ug/L	100
33) Benzene	6.038	78	1022161	206.639	ug/L	100
34) Trichloroethene	7.123	95	274978	208.070	ug/L	97
35) Methylcyclohexane	7.379	83	434221	217.087	ug/L	98
37) 1,2-Dichloropropane	7.434	63	269335	209.504	ug/L	100
38) Bromodichloromethane	7.824	83	367701	221.295	ug/L	97
39) cis-1,3-Dichloropropene	8.366	75	450427	228.257	ug/L	99
40) 4-Methyl-2-pentanone	8.580	43	763998	431.943	ug/L	98
42) Toluene	8.720	91	1071269	210.267	ug/L	99
44) trans-1,3-Dichloropropene	8.976	75	422724	238.183	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	9.153	97	267551	206.056	ug/L	98
46) Tetrachloroethene	9.275	164	190367	211.218	ug/L	97
48) 2-Hexanone	9.433	43	578315	420.407	ug/L	97
49) Dibromochloromethane	9.519	129	279771	230.745	ug/L	95
50) 1,2-Dibromoethane	9.610	107	288727	213.802	ug/L	99
51) Chlorobenzene	10.079	112	696355	211.359	ug/L	98
52) Ethylbenzene	10.195	91	1216071	217.618	ug/L	99
53) m,p-Xylene	10.299	106	466718	221.704	ug/L	99
54) o-Xylene	10.640	106	452827	216.236	ug/L	99
55) Styrene	10.653	104	783158	224.347	ug/L	97
57) 1,1,2,2-Tetrachloroethane	11.213	83	434482	209.248	ug/L	100
59) Bromoform	10.799	173	197640	226.963	ug/L	97
60) Isopropylbenzene	10.963	105	1193853	203.620	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	341312	190.127	ug/L	100
62) 1,3,5-Trimethylbenzene	11.451	105	1027259	210.664	ug/L	99
63) 1,2,4-Trimethylbenzene	11.750	105	1028740	213.659	ug/L	98
64) 1,3-Dichlorobenzene	11.969	146	527865	209.334	ug/L	96
65) 1,4-Dichlorobenzene	12.043	146	529357	208.422	ug/L	99
67) 1,2-Dichlorobenzene	12.335	146	522055	205.599	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.945	75	105009	219.569	ug/L	99
69) 1,3,5-Trichlorobenzene	13.109	180	351983	225.047	ug/L	99
70) 1,2,4-trichlorobenzene	13.585	180	322033	234.790	ug/L	100
71) Naphthalene	13.774	128	1215054	229.650	ug/L	100
72) 1,2,3-Trichlorobenzene	13.963	180	320120	225.315	ug/L	99

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

Manual Integrations

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