

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041724\
 Data File : VX041123.D
 Acq On : 17 Apr 2024 13:51
 Operator : JC/MD
 Sample : VSTD05076
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050676

Quant Time: Apr 18 01:28:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML041724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 18 01:26:34 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 04/18/2024
 Supervised By : Mahesh Dadoda 04/18/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	293177	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	269475	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	150491	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	108392	51.669	ug/L	0.00
7) Chloroethane-d5	1.648	69	52440	50.852	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.294	65	46580	51.827	ug/L	0.00
21) 2-Butanone-d5	4.471	46	128111	106.976	ug/L	0.00
24) Chloroform-d	5.056	84	202568	52.461	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.952	65	126757	51.659	ug/L	0.00
32) Benzene-d6	5.970	84	406757	52.403	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.305	67	117539	52.314	ug/L	0.00
41) Toluene-d8	8.647	98	381249	52.358	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.952	79	53664	53.391	ug/L	0.00
47) 2-Hexanone-d5	9.390	63	95743	104.958	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	11.189	84	172934	52.755	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.323	152	167860	51.867	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	94242	51.374	ug/L	100
3) Chloromethane	1.300	50	91058	51.854	ug/L	100
5) Vinyl chloride	1.374	62	98959	52.302	ug/L	100
6) Bromomethane	1.599	94	50828	51.266	ug/L	100
8) Chloroethane	1.666	64	37628m	53.142	ug/L	
9) Trichlorofluoromethane	1.861	101	149266	52.612	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.312	101	98249	51.126	ug/L	100
12) 1,1-Dichloroethene	2.306	96	86480	52.674	ug/L	100
13) Acetone	2.398	43	98906	102.965	ug/L	100
14) Carbon disulfide	2.501	76	165413	51.773	ug/L	100
15) Methyl Acetate	2.709	43	105504	51.704	ug/L	100
16) Methylene chloride	2.782	84	95708	52.846	ug/L	100
17) trans-1,2-Dichloroethene	3.081	96	87764	52.901	ug/L	100
18) Methyl tert-butyl Ether	3.123	73	298450	52.256	ug/L	100
19) 1,1-Dichloroethane	3.605	63	165856	52.466	ug/L	100
20) cis-1,2-Dichloroethene	4.483	96	104014	52.592	ug/L	100
22) 2-Butanone	4.568	43	152752	106.209	ug/L	100
23) Bromochloromethane	4.903	128	53213	51.678	ug/L	100
25) Chloroform	5.086	83	179396	52.823	ug/L	100
27) 1,2-Dichloroethane	6.086	62	140506	52.426	ug/L	100
29) Cyclohexane	5.464	56	141698	52.270	ug/L	100
30) 1,1,1-Trichloroethane	5.379	97	154190	52.740	ug/L	100
31) Carbon tetrachloride	5.672	117	133103	52.959	ug/L	100
33) Benzene	6.031	78	370678	52.739	ug/L	100
34) Trichloroethene	7.123	95	99519	52.306	ug/L	100
35) Methylcyclohexane	7.379	83	151087	52.248	ug/L	100
37) 1,2-Dichloropropane	7.427	63	96305	52.839	ug/L	100
38) Bromodichloromethane	7.824	83	123896	53.180	ug/L	100
39) cis-1,3-Dichloropropene	8.366	75	149026	53.674	ug/L	100
40) 4-Methyl-2-pentanone	8.580	43	289556	106.904	ug/L	100
42) Toluene	8.720	91	404243	53.331	ug/L	100
44) trans-1,3-Dichloropropene	8.976	75	136014	53.783	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	9.153	97	103715	52.797	ug/L	100
46) Tetrachloroethene	9.275	164	96600	53.028	ug/L	100
48) 2-Hexanone	9.433	43	228700	108.722	ug/L	100
49) Dibromochloromethane	9.518	129	107817	54.032	ug/L	100
50) 1,2-Dibromoethane	9.610	107	109251	53.396	ug/L	100
51) Chlorobenzene	10.079	112	276702	52.374	ug/L	100
52) Ethylbenzene	10.195	91	450688	53.365	ug/L	100
53) m,p-Xylene	10.299	106	179713	53.753	ug/L	100
54) o-Xylene	10.640	106	179059	53.477	ug/L	100
55) Styrene	10.652	104	302685	54.324	ug/L	100
57) 1,1,2,2-Tetrachloroethane	11.213	83	165713	52.835	ug/L	100
59) Bromoform	10.799	173	89393	52.595	ug/L	100
60) Isopropylbenzene	10.963	105	475847	53.609	ug/L	100
61) 1,2,3-Trichloropropane	11.238	75	127996	51.590	ug/L	100
62) 1,3,5-Trimethylbenzene	11.451	105	391563	54.026	ug/L	100
63) 1,2,4-Trimethylbenzene	11.750	105	391250	54.274	ug/L	100
64) 1,3-Dichlorobenzene	11.969	146	237648	52.472	ug/L	100
65) 1,4-Dichlorobenzene	12.042	146	240705	52.100	ug/L	100
67) 1,2-Dichlorobenzene	12.335	146	246461	52.474	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.945	75	33538	52.969	ug/L	100
69) 1,3,5-Trichlorobenzene	13.109	180	187362	53.124	ug/L	100
70) 1,2,4-trichlorobenzene	13.585	180	168263	52.905	ug/L	100
71) Naphthalene	13.774	128	502249	55.019	ug/L	100
72) 1,2,3-Trichlorobenzene	13.963	180	177720	53.525	ug/L	100

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

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