

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121523\
 Data File : VW033374.D
 Acq On : 15 Dec 2023 13:06
 Operator : SY/MD
 Sample : VSTD00517
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005217

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/16/2023
 Supervised By :Mahesh Dadoda 12/18/2023

Quant Time: Dec 15 22:58:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM121523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 15 22:58:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	219299	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	226441	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	112871	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	7891	5.642	ug/L	0.00
7) Chloroethane-d5	1.520	69	7321	7.000	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.053	65	4527	7.999	ug/L	0.00
21) 2-Butanone-d5	3.815	46	7563m	10.838	ug/L	0.04
24) Chloroform-d	4.246	84	15337	5.269	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.944	65	9427m	5.224	ug/L	0.00
32) Benzene-d6	4.960	84	27539	5.020	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.992	67	8727m	5.754	ug/L	0.00
41) Toluene-d8	7.246	98	21513	4.116	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.561	79	3649	4.034	ug/L	0.00
47) 2-Hexanone-d5	8.040	63	3959m	6.745	ug/L	0.02
56) 1,1,2,2-Tetrachloroeth...	10.153	84	12184	5.631	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.561	152	10073	4.943	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	9190	4.008	ug/L	97
3) Chloromethane	1.214	50	8869	5.548	ug/L	88
5) Vinyl chloride	1.282	62	9243	5.860	ug/L	96
6) Bromomethane	1.468	94	7589	7.349	ug/L	98
8) Chloroethane	1.536	64	5713	6.359	ug/L	100
9) Trichlorofluoromethane	1.706	101	16266	6.216	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	9703	7.474	ug/L	97
12) 1,1-Dichloroethene	2.063	96	7522	6.331	ug/L	95
13) Acetone	2.111	43	9639	13.495	ug/L	95
14) Carbon disulfide	2.237	76	20395	5.177	ug/L	98
15) Methyl Acetate	2.375	43	6595	5.892	ug/L #	63
16) Methylene chloride	2.442	84	9575	6.362	ug/L	92
17) trans-1,2-Dichloroethene	2.690	96	7017	4.833	ug/L	97
18) Methyl tert-butyl Ether	2.700	73	19390	4.396	ug/L	96
19) 1,1-Dichloroethane	3.108	63	13336	5.351	ug/L #	93
20) cis-1,2-Dichloroethene	3.815	96	7796	5.028	ug/L	94
22) 2-Butanone	3.899	43	8706m	10.455	ug/L	
23) Bromochloromethane	4.153	128	4705m	5.298	ug/L	
25) Chloroform	4.272	83	16111	5.704	ug/L	95
27) 1,2-Dichloroethane	5.047	62	11019	4.929	ug/L	97
29) Cyclohexane	4.577	56	8710	4.171	ug/L #	17
30) 1,1,1-Trichloroethane	4.507	97	13329	4.767	ug/L #	85
31) Carbon tetrachloride	4.735	117	12016	4.649	ug/L	95
33) Benzene	5.011	78	27115	4.660	ug/L	100
34) Trichloroethene	5.834	95	7930	4.651	ug/L	99
35) Methylcyclohexane	6.047	83	10661m	4.328	ug/L	
37) 1,2-Dichloropropane	6.095	63	7652	5.503	ug/L	99
38) Bromodichloromethane	6.432	83	11589	5.305	ug/L #	98
39) cis-1,3-Dichloropropene	6.960	75	9670	3.979	ug/L	92
40) 4-Methyl-2-pentanone	7.162	43	12263	8.157	ug/L	92
42) Toluene	7.317	91	26307	4.032	ug/L	97
44) trans-1,3-Dichloropropene	7.587	75	9544	3.948	ug/L	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV121523\
 Data File : VV033374.D
 Acq On : 15 Dec 2023 13:06
 Operator : SY/MD
 Sample : VSTD00517
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005217

Quant Time: Dec 15 22:58:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM121523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 15 22:58:37 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/16/2023
 Supervised By :Mahesh Dadoda 12/18/2023

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

45) 1,1,2-Trichloroethane	7.773	97	8064	5.090	ug/L	97
46) Tetrachloroethene	7.908	164	6455	4.484	ug/L	93
48) 2-Hexanone	8.085	43	11511m	9.301	ug/L	
49) Dibromochloromethane	8.175	129	8261	4.498	ug/L	98
50) 1,2-Dibromoethane	8.284	107	8056	4.806	ug/L #	97
51) Chlorobenzene	8.815	112	22685	4.973	ug/L	97
52) Ethylbenzene	8.947	91	28435	3.829	ug/L	99
53) m,p-Xylene	9.075	106	10330	3.530	ug/L	98
54) o-Xylene	9.477	106	10311	3.595	ug/L	91
55) Styrene	9.500	104	16146	3.224	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.178	83	12019	5.380	ug/L	99
59) Bromoform	9.667	173	5932	4.897	ug/L #	97
60) Isopropylbenzene	9.866	105	26069	3.984	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	9066	6.007	ug/L	94
62) 1,3,5-Trimethylbenzene	10.477	105	18259	3.509	ug/L	98
63) 1,2,4-Trimethylbenzene	10.850	105	18235	3.355	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	15613	4.508	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	18677	5.168	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	18046	5.263	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.368	75	2256	5.045	ug/L	90
69) 1,3,5-Trichlorobenzene	12.587	180	10544	3.911	ug/L	98
70) 1,2,4-trichlorobenzene	13.201	180	9716	3.962	ug/L	90
71) Naphthalene	13.442	128	28276	4.657	ug/L	97
72) 1,2,3-Trichlorobenzene	13.683	180	8745	3.658	ug/L	98

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

Reviewed By :Semsettin Yesilyurt 12/16/2023
Supervised By :Mahesh Dadoda 12/18/2023

[illegible]