

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV051624\
 Data File : VV035627.D
 Acq On : 16 May 2024 15:18
 Operator : SY/MD
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050364

Quant Time: May 17 01:58:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050124WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 17 01:55:25 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	458772	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	455475	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	241409	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	123582	34.936	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.880%
7) Chloroethane-d5	1.529	69	116019	44.506	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.020%
11) 1,1-Dichloroethene-d2	2.056	65	57834	38.087	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.180%
21) 2-Butanone-d5	3.789	46	235134	98.491	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.490%
24) Chloroform-d	4.243	84	307840	47.444	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.880%
26) 1,2-Dichloroethane-d4	4.937	65	184740	48.347	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.700%
32) Benzene-d6	4.953	84	570917	44.531	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.060%
36) 1,2-Dichloropropane-d6	5.985	67	187376	46.875	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.740%
41) Toluene-d8	7.239	98	521896	44.722	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.440%
43) trans-1,3-Dichloroprop...	7.551	79	86898	44.603	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.200%
47) 2-Hexanone-d5	8.021	63	171353	93.281	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.280%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	275846	45.286	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.580%
66) 1,2-Dichlorobenzene-d4	11.558	152	213274	44.467	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.940%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	144282	46.945	ug/L	99
3) Chloromethane	1.214	50	155692	46.760	ug/L	100
5) Vinyl chloride	1.281	62	166741	47.554	ug/L	99
6) Bromomethane	1.487	94	114606	51.406	ug/L	99
8) Chloroethane	1.545	64	112377	55.741	ug/L	100
9) Trichlorofluoromethane	1.709	101	238500	50.559	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	152931	51.147	ug/L	99
12) 1,1-Dichloroethene	2.066	96	130869	49.000	ug/L	81
13) Acetone	2.124	43	185969	84.142	ug/L	100
14) Carbon disulfide	2.236	76	311643	44.417	ug/L	99
15) Methyl Acetate	2.375	43	186720	52.080	ug/L	99
16) Methylene chloride	2.442	84	176553	52.170	ug/L	98
17) trans-1,2-Dichloroethene	2.690	96	141731	50.205	ug/L	99
18) Methyl tert-butyl Ether	2.699	73	531436	53.528	ug/L	99
19) 1,1-Dichloroethane	3.108	63	311551	52.557	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	173286	51.610	ug/L	97
22) 2-Butanone	3.870	43	246376	94.165	ug/L	100
23) Bromochloromethane	4.143	128	98023	53.381	ug/L	97
25) Chloroform	4.272	83	329705	53.886	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	243064	55.509	ug/L	99
29) Cyclohexane	4.577	56	197013	48.446	ug/L	100
30) 1,1,1-Trichloroethane	4.506	97	267899	51.394	ug/L	99
31) Carbon tetrachloride	4.728	117	230099	51.053	ug/L	99
33) Benzene	5.005	78	645919	52.516	ug/L	100
34) Trichloroethene	5.828	95	186439	56.961	ug/L	99
35) Methylcyclohexane	6.047	83	232230	50.295	ug/L	98
37) 1,2-Dichloropropane	6.088	63	185898	55.010	ug/L	99
38) Bromodichloromethane	6.429	83	250695	53.922	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	277306	52.274	ug/L	99
40) 4-Methyl-2-pentanone	7.153	43	501771	111.235	ug/L	98
42) Toluene	7.310	91	684940	53.082	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	271760	53.933	ug/L	99
45) 1,1,2-Trichloroethane	7.763	97	197764	54.719	ug/L	99
46) Tetrachloroethene	7.902	164	131276	49.657	ug/L	99
48) 2-Hexanone	8.072	43	395487	107.754	ug/L	98
49) Dibromochloromethane	8.172	129	198230	52.398	ug/L	100
50) 1,2-Dibromoethane	8.278	107	198474	52.563	ug/L	98
51) Chlorobenzene	8.812	112	458016	51.132	ug/L	100
52) Ethylbenzene	8.944	91	731042	52.442	ug/L	99
53) m,p-Xylene	9.069	106	276329	53.434	ug/L	100
54) o-Xylene	9.474	106	273117	52.411	ug/L	98
55) Styrene	9.493	104	505044	56.077	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	279823	45.251	ug/L	99
59) Bromoform	9.661	173	152933	48.978	ug/L	100
60) Isopropylbenzene	9.863	105	738373	52.966	ug/L	100
61) 1,2,3-Trichloropropane	10.204	75	255457	52.747	ug/L	100
62) 1,3,5-Trimethylbenzene	10.474	105	590938	52.965	ug/L	100
63) 1,2,4-Trimethylbenzene	10.847	105	598574	53.503	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	374794	51.920	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	383554	50.354	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	390170	51.661	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	69446	48.689	ug/L	98
69) 1,3,5-Trichlorobenzene	12.580	180	274601	50.116	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	234283	48.537	ug/L	99
71) Naphthalene	13.435	128	600188	44.365	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	252847	50.466	ug/L	100

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

