

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061424\
 Data File : VX041869.D
 Acq On : 14 Jun 2024 10:36
 Operator : JC/MD
 Sample : VX0614WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0614WBSD01

Manual Integrations
 APPROVED

Reviewed By :John

Carlone

06/17/2024

Supervised By :Mahesh

Dadoda

06/17/2024

Quant Time: Jun 14 11:01:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 16 05:13:13 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	4.891	128	27949	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	166421	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	156626	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	61887m	28.118	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	93.733%
60) 4-Bromofluorobenzene	11.079	95	74958	30.657	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	102.200%
63) Toluene-d8	8.647	98	194617	28.987	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.633%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	28143	19.252	ug/l	100
3) Chloromethane	1.300	50	33200	20.739	ug/l	98
4) Vinyl Chloride	1.374	62	33826	20.070	ug/l	94
5) Bromomethane	1.599	94	18350	17.118	ug/l	94
6) Chloroethane	1.666	64	17114	20.084	ug/l	99
7) Trichlorofluoromethane	1.867	101	50704	19.820	ug/l	94
8) Diethyl Ether	2.136	74	22003	23.031	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.318	101	34093	22.981	ug/l	96
10) 1,1-Dichloroethene	2.306	96	32087	22.439	ug/l	96
11) Methyl Iodide	2.440	142	41060	24.108	ug/l	97
12) Methyl Acetate	2.709	43	62833	29.176	ug/l	98
13) Acrolein	2.239	56	26224	100.024	ug/l	97
14) Acrylonitrile	3.068	53	107342	113.367	ug/l	98
15) Acetone	2.392	58	33565	132.306	ug/l	79
16) Carbon Disulfide	2.501	76	56151	17.392	ug/l	99
17) Allyl chloride	2.660	41	53322	21.013	ug/l	87
18) Methylene Chloride	2.788	84	38966	22.912	ug/l	88
19) trans-1,2-Dichloroethene	3.081	96	32751	19.974	ug/l	95
20) Diisopropyl ether	3.763	45	112700	21.138	ug/l	88
21) 1,1-Dichloroethane	3.605	63	61212	20.456	ug/l	99
22) cis-1,2-Dichloroethene	4.483	96	41370	20.763	ug/l	95
23) tert-Butyl Alcohol	2.995	59	45681	113.687	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	110086	20.621	ug/l	94
25) Chloroform	5.086	83	64442	20.215	ug/l	94
26) Cyclohexane	5.458	56	50013	20.043	ug/l #	100
29) 1,1-Dichloropropene	5.684	75	41078	18.660	ug/l	98
30) 2-Butanone	4.562	43	151311	103.551	ug/l	97
31) 2,2-Dichloropropane	4.464	77	48811	18.892	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	54089	18.311	ug/l	97
33) Carbon Tetrachloride	5.665	117	46232	18.292	ug/l	95
34) Benzene	6.031	78	139903	20.123	ug/l	99
35) Methacrylonitrile	4.922	41	29857	20.256	ug/l	95
36) 1,2-Dichloroethane	6.080	62	44704	17.231	ug/l #	94
37) Trichloroethene	7.123	130	38517	19.884	ug/l	98
38) Methylcyclohexane	7.372	83	54900	19.640	ug/l	98
39) 1,2-Dichloropropane	7.427	63	35121	21.370	ug/l	92
40) Dibromomethane	7.580	93	25297	19.558	ug/l	96
41) Bromodichloromethane	7.818	83	45592	18.775	ug/l	99
42) Vinyl Acetate	3.721	43	459055	90.548	ug/l	98

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QLast Update : Thu May 16 05:13:13 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.721	43	50940	18.068	ug/l	98
44) Isopropyl Acetate	6.342	43	81819	19.198	ug/l	94
45) 1,4-Dioxane	7.665	88	20673	430.111	ug/l	96
46) Methyl methacrylate	7.689	41	41439	19.542	ug/l	90
47) n-amyl Acetate	10.841	43	71970	18.622	ug/l	96
48) t-1,3-Dichloropropene	8.976	75	46360	19.010	ug/l	100
49) cis-1,3-Dichloropropene	8.366	75	52378	19.830	ug/l #	89
50) 1,1,2-Trichloroethane	9.153	97	38202	21.231	ug/l	94
51) Ethyl methacrylate	9.116	69	59810	20.651	ug/l	86
52) 1,3-Dichloropropane	9.305	76	62795	21.119	ug/l	99
53) Dibromochloromethane	9.518	129	40143	19.607	ug/l	100
54) 1,2-Dibromoethane	9.610	107	40109	21.020	ug/l	99
55) 2-Chloroethyl vinyl ether	8.238	63	164084	116.068	ug/l	99
56) Bromoform	10.799	173	32029	19.527	ug/l	100
58) 4-Methyl-2-Pentanone	8.573	43	295533	103.269	ug/l	95
59) 2-Hexanone	9.433	43	228642	100.289	ug/l	95
61) Tetrachloroethene	9.268	164	39390	20.555	ug/l	94
62) Toluene	8.714	91	156328	20.059	ug/l	99
64) Chlorobenzene	10.079	112	108889	20.570	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.159	131	37522	20.026	ug/l	98
66) Ethyl Benzene	10.195	91	173823	20.086	ug/l	100
67) m/p-Xylenes	10.299	106	138736	40.997	ug/l	100
68) o-Xylene	10.640	106	69413	20.377	ug/l	97
69) Styrene	10.652	104	116940	20.474	ug/l	98
70) Isopropylbenzene	10.963	105	181051	21.034	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.213	83	63573	21.500	ug/l	100
72) 1,2,3-Trichloropropane	11.238	75	67224	25.209	ug/l	90
73) Bromobenzene	11.195	156	51536	20.376	ug/l	99
74) n-propylbenzene	11.305	91	198022	20.402	ug/l	99
75) 2-Chlorotoluene	11.366	91	125253	20.550	ug/l	98
76) 1,3,5-Trimethylbenzene	11.451	105	151659	20.642	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	17145	20.455	ug/l	85
78) 4-Chlorotoluene	11.451	91	139742	20.130	ug/l	97
79) tert-butylbenzene	11.713	119	161525	20.656	ug/l	98
80) 1,2,4-Trimethylbenzene	11.750	105	152619	20.725	ug/l	98
81) sec-Butylbenzene	11.890	105	189767	20.768	ug/l	100
82) p-Isopropyltoluene	12.006	119	167244	20.909	ug/l	98
83) 1,3-Dichlorobenzene	11.969	146	93266	20.561	ug/l	99
84) 1,4-Dichlorobenzene	12.042	146	92978	20.286	ug/l	99
85) n-Butylbenzene	12.329	91	126026	19.580	ug/l	99
86) Hexachloroethane	12.536	117	26143	19.413	ug/l	97
87) 1,2-Dichlorobenzene	12.335	146	95922	20.719	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.945	75	12075	18.594	ug/l	87
89) 1,2,4-Trichlorobenzene	13.585	180	63285	20.344	ug/l	99
90) Hexachlorobutadiene	13.725	225	32660	21.520	ug/l	98
91) Naphthalene	13.774	128	189862	20.420	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	66615	20.959	ug/l	99

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

