

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102521\
 Data File : VN069150.D
 Acq On : 25 Oct 2021 13:46
 Operator : JC/MD
 Sample : VN1025WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/27/2021 2:20:45 PM

Quant Time: Oct 26 03:36:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N102221W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 22 13:15:19 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.662	128	51596	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	300110	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	278462	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	127052	31.615	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.367%
60) 4-Bromofluorobenzene	12.734	95	140721	29.472	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.233%
63) Toluene-d8	10.443	98	378698	30.101	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.333%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.073	85	72710	21.313	ug/l	99
3) Chloromethane	2.303	50	75388	21.255	ug/l	97
4) Vinyl Chloride	2.446	62	86037	20.350	ug/l	99
5) Bromomethane	2.864	94	59140	21.328	ug/l	98
6) Chloroethane	3.025	64	56113	20.475	ug/l	97
7) Trichlorofluoromethane	3.379	101	115612	21.117	ug/l	97
8) Diethyl Ether	3.829	74	42661	22.008	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.218	101	64476	21.678	ug/l	71
10) 1,1-Dichloroethene	4.192	96	59977	20.668	ug/l	99
11) Methyl Iodide	4.428	142	80312	19.683	ug/l	93
12) Methyl Acetate	4.859	43	116714	21.118	ug/l	97
13) Acrolein	4.047	56	34492	103.592	ug/l	98
14) Acrylonitrile	5.554	53	165261	105.386	ug/l	99
15) Acetone	4.288	58	45896	93.626	ug/l	96
16) Carbon Disulfide	4.537	76	158817	20.368	ug/l	99
17) Allyl chloride	4.846	41	102929	20.597	ug/l	89
18) Methylene Chloride	5.098	84	75033	21.759	ug/l	98
19) trans-1,2-Dichloroethene	5.605	96	65262	20.711	ug/l	95
20) Diisopropyl ether	6.498	45	225215	21.098	ug/l	95
21) 1,1-Dichloroethane	6.391	63	125247	21.021	ug/l	98
22) cis-1,2-Dichloroethene	7.327	96	80063	21.198	ug/l	100
23) tert-Butyl Alcohol	5.366	59	67085	104.265	ug/l #	100
24) Methyl tert-Butyl Ether	5.616	73	237669	21.593	ug/l	99
25) Chloroform	7.820	83	136461	21.434	ug/l	98
26) Cyclohexane	8.099	56	114426	20.851	ug/l #	98
29) 1,1-Dichloropropene	8.225	75	96268	20.383	ug/l	99
30) 2-Butanone	7.335	43	225491	99.432	ug/l	98
31) 2,2-Dichloropropane	7.329	77	114124	20.170	ug/l	99
32) 1,1,1-Trichloroethane	8.019	97	120307	20.472	ug/l	99
33) Carbon Tetrachloride	8.206	117	103175	20.670	ug/l	98
34) Benzene	8.461	78	297125	21.068	ug/l	99
35) Methacrylonitrile	7.641	41	48333	21.385	ug/l	98
36) 1,2-Dichloroethane	8.531	62	110626	21.735	ug/l	100
37) Trichloroethene	9.218	130	74572	20.795	ug/l	93
38) Methylcyclohexane	9.462	83	127449	21.197	ug/l	97
39) 1,2-Dichloropropane	9.491	63	77444	21.535	ug/l	99
40) Dibromomethane	9.580	93	53829	21.409	ug/l	97
41) Bromodichloromethane	9.765	83	107516	21.400	ug/l	95
42) Vinyl Acetate	6.436	43	849356	104.962	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.413	43	92967	21.015	ug/l	99
44) Isopropyl Acetate	8.563	43	167910	20.499	ug/l	99
45) 1,4-Dioxane	9.569	88	27123	413.735	ug/l	93
46) Methyl methacrylate	9.561	41	71202	19.229	ug/l	93
47) n-amyl Acetate	12.390	43	132377	19.035	ug/l	100
48) t-1,3-Dichloropropene	10.719	75	117301	20.185	ug/l	100
49) cis-1,3-Dichloropropene	10.191	75	124272	20.536	ug/l	95
50) 1,1,2-Trichloroethane	10.902	97	76983	21.334	ug/l	99
51) Ethyl methacrylate	10.762	69	122466	20.588	ug/l	95
52) 1,3-Dichloropropane	11.047	76	130678	21.525	ug/l	98
53) Dibromochloromethane	11.240	129	80634	20.932	ug/l	99
54) 1,2-Dibromoethane	11.347	107	79677	21.122	ug/l	99
55) 2-Chloroethyl vinyl ether	10.044	63	144089	76.296	ug/l	99
56) Bromoform	12.460	173	54636	19.676	ug/l #	100
58) 4-Methyl-2-Pentanone	10.331	43	489475	104.192	ug/l	98
59) 2-Hexanone	11.087	43	348145	98.134	ug/l	98
61) Tetrachloroethene	10.980	164	66641	22.020	ug/l	96
62) Toluene	10.508	91	339089	20.906	ug/l	97
64) Chlorobenzene	11.773	112	205586	20.899	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.843	131	77349	21.135	ug/l	99
66) Ethyl Benzene	11.846	91	382219	20.961	ug/l	98
67) m/p-Xylenes	11.956	106	287705	41.955	ug/l	97
68) o-Xylene	12.283	106	143074	20.836	ug/l	98
69) Styrene	12.296	104	233241	20.498	ug/l	98
70) Isopropylbenzene	12.581	105	372995	20.720	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.830	83	112521	21.326	ug/l	97
72) 1,2,3-Trichloropropane	12.881	75	98267m	21.675	ug/l	
73) Bromobenzene	12.862	156	83468	20.456	ug/l	93
74) n-propylbenzene	12.924	91	429193	20.761	ug/l	100
75) 2-Chlorotoluene	13.010	91	262472	20.735	ug/l	96
76) 1,3,5-Trimethylbenzene	13.061	105	313062	20.866	ug/l	99
77) t-1,4-Dichloro-2-butene	12.626	75	33505	18.897	ug/l	94
78) 4-Chlorotoluene	13.106	91	254583	20.521	ug/l	95
79) tert-butylbenzene	13.326	119	272819	20.709	ug/l	100
80) 1,2,4-Trimethylbenzene	13.372	105	304925m	20.703	ug/l	
81) sec-Butylbenzene	13.503	105	379110	20.557	ug/l	99
82) p-Isopropyltoluene	13.619	119	307747	20.459	ug/l	100
83) 1,3-Dichlorobenzene	13.619	146	148464	20.668	ug/l	99
84) 1,4-Dichlorobenzene	13.696	146	140845	20.135	ug/l	95
85) n-Butylbenzene	13.946	91	246438	19.589	ug/l	98
86) Hexachloroethane	14.211	117	56974	20.228	ug/l	93
87) 1,2-Dichlorobenzene	13.991	146	142351	20.740	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.606	75	19723	20.069	ug/l	97
89) 1,2,4-Trichlorobenzene	15.265	180	66200	19.129	ug/l	98
90) Hexachlorobutadiene	15.375	225	38208	21.117	ug/l	99
91) Naphthalene	15.509	128	177221	17.704	ug/l	99
92) 1,2,3-Trichlorobenzene	15.703	180	64464	19.491	ug/l	100

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

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